

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Comugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 14, 2004, 12:00:04 ; Search time 81 Seconds

(without alignments)
2987.143 Million cell updates/sec

Title: US-09-806-301-1

Perfect score: 436

Sequence: 1 ttgttctgtgaagctgagct.....ctccaaaaaaaaaaaaa 436

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2_6/ptodata/2/ina/5A.COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCBUS.COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	436	100.0	436	3	US-08-821-451A-3
2	436	100.0	436	3	US-09-263-810-3
3	436	100.0	436	4	US-09-583-169-3
4	431.2	98.9	482	3	US-08-912-276-4
5	421	96.6	482	4	US-09-215-818-2
6	421	96.6	482	4	US-09-467-602A-2
7	391	96.6	494	3	US-08-912-276-3
8	391	96.7	405	4	US-08-969-987-4
9	288.4	66.1	433	3	US-08-821-451A-1
10	288.4	66.1	433	3	US-09-263-810-1
11	288.4	66.1	433	4	US-09-583-169-1
12	226	51.8	230	3	US-08-912-276-2
13	226	51.4	237	3	US-08-912-276-1
14	223	51.1	231	4	US-09-389-681-209
15	223	51.1	231	4	US-09-620-405B-209
16	223	51.1	231	4	US-09-339-338-209
17	223	51.1	231	4	US-09-433-826B-209
18	223	51.1	231	4	US-09-604-287A-209
19	223	51.1	231	4	US-09-834-759-209
20	190.4	43.7	384	4	US-09-673-385A-20
21	38.8	8.9	267	4	US-09-134-000C-2612
22	35.2	8.1	364	4	US-09-621-976-17202
23	35.2	8.1	426	4	US-08-933-711B-12
24	35.2	8.1	2091	4	US-08-933-711B-3
25	35	8.0	1010	4	US-09-234-245-5
26	35	8.0	3715	4	US-09-234-245-1
27	34.4	7.9	1875	2	US-08-683-743-3

28	32.4	7.4	452	4	US-09-397-787-237	Sequence 237, App
29	32.4	7.4	843	4	US-09-498-520A-55	Sequence 55, App
30	32.4	7.4	1560	3	US-08-629-643A-3	Sequence 3, App
31	32.4	7.4	1560	3	US-09-155-884-3	Sequence 17, App
32	32	7.3	2135	4	US-08-933-711B-17	Sequence 1, App
33	32	7.3	2845	4	US-09-235-451-24	Sequence 24, App
34	31.8	7.3	1237	4	US-09-369-247-27	Sequence 27, App
35	31.8	7.3	2015	1	US-07-917-609-35	Sequence 25, App
36	31.8	7.3	2015	4	US-08-029-170-25	Sequence 25, App
37	31.8	7.3	21040	4	US-08-961-527-55	Sequence 55, App
38	31.4	7.2	36519	3	US-08-923-137-2	Sequence 2, App
39	30.8	7.1	1651	4	US-09-621-816B-7	Sequence 7, App
40	30.8	7.1	4069	4	US-09-302-812-3	Sequence 3, App
41	30.8	7.1	4069	4	US-09-511-477-3	Sequence 3, App
42	30.8	7.1	4069	4	US-09-511-507-3	Sequence 3, App
43	30.6	7.0	537	4	US-09-134-001C-2742	Sequence 2742, App
44	30.6	7.0	43795	3	US-08-742-185-101	Sequence 101, App
45	30.4	7.0	1866	4	US-09-205-258-66	Sequence 66, App

ALIGNMENTS

RESULT 1
US-08-821-451A-3
Sequence 3, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-Binding Factor 1, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSES: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
CLASSIFICATION: 435
FILING DATE: March 21, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 436 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: cDNA
US-08-821-451A-3
Query Match 100.0%; Score 436; DB 3; Length 436;
Best Local Similarity 100.0%; Pred.No. 9.5e-129;
Matches 436; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 TTGTTGTGAAGCTGAGCTACAGCAAGCAAGCAAGCTGAGCTGCTC 60

```

Db      1 TTGTTGTAAGCTGAGCTGACGAAACCAACCACTGAGCTGTCGCTC 60
Qy      61 CTGCTGTCACGCTGCGCTCTGCTGTACCAAGCCATGCGAGTTGCGCCAGCTCTT 120
Db      61 CTGCTGTCACGCTGCGCTCTGCTGTACCAAGCCATGCGAGTTGCGCCAGCTCTT 120
Qy      121 GTTTCGAGCTGTAGACTCTCTCTCATATGTAACCTCTGTCAAGTTAGTCTTGC 180
Db      121 GTTTCGAGCTGTAGACTCTCTCTCATATGTAACCTCTGTCAAGTTAGTCTTGC 180
Qy      181 AAATTGATGCCCTCCGGAAGCTGTGCAAGCCAGTTAGAGTGAAGATGCAAGAT 240
Db      181 AAATTGATGCCCTCCGGAAGCTGTGCAAGCCAGTTAGAGTGAAGATGCAAGAT 240
Qy      241 CAGATGTCCTTCAGAAACGAAGCTCATTTGGCGAAGTCTGTGAAAAATTTGAAGAA 300
Db      241 CAGATGTCCTTCAGAAACGAAGCTCATTTGGCGAAGTCTGTGAAAAATTTGAAGAA 300
Qy      301 TGTAGTGTGACATGTAAACCTTTCATCTGCTTCCACTGCTTTCATGACACCT 360
Db      301 TGTAGTGTGACATGTAAACCTTTCATCTGCTTCCACTGCTTTCATGACACCT 360
Qy      361 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTCTTAAATAATCACTGCTCTCC 420
Db      361 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTCTTAAATAATCACTGCTCTCC 420
Qy      421 AAAAAAAAAAAAAA 436
Db      421 AAAAAAAAAAAAAA 436

```

```

RESULT 2
US-09-263-810-3
; Sequence 3, Application US/09263810
; Patent No. 6174892
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,810
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/821,451
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 436 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE

```

```

; TOPOLOGY: LINEAR
; MOLECULE TYPE: cDNA
US-09-263-810-3

```

```

Query Match      100.0%; Score 436; DB 3; Length 436;
Best Local Similarity 100.0%; Fred. No. 9.5e-129;
Matches 436; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 TTGTTGTAAGCTGAGCTGACGAAACCAACCACTGAGCTGTCGCTC 60
Db      1 TTGTTGTAAGCTGAGCTGACGAAACCAACCACTGAGCTGTCGCTC 60
Qy      61 CTGCTGTCACGCTGCGCTCTGCTGTACCAAGCCATGCGAGTTGCGCCAGCTCTT 120
Db      61 CTGCTGTCACGCTGCGCTCTGCTGTACCAAGCCATGCGAGTTGCGCCAGCTCTT 120
Qy      121 GTTTCGAGCTGTAGACTCTCTCTCATATGTAACCTCTGTCAAGTTAGTCTTGC 180
Db      121 GTTTCGAGCTGTAGACTCTCTCTCATATGTAACCTCTGTCAAGTTAGTCTTGC 180
Qy      181 AAATTGATGCCCTCCGGAAGCTGTGCAAGCCAGTTAGAGTGAAGATGCAAGAT 240
Db      181 AAATTGATGCCCTCCGGAAGCTGTGCAAGCCAGTTAGAGTGAAGATGCAAGAT 240
Qy      241 CAGATGTCCTTCAGAAACGAAGCTCATTTGGCGAAGTCTGTGAAAAATTTGAAGAA 300
Db      241 CAGATGTCCTTCAGAAACGAAGCTCATTTGGCGAAGTCTGTGAAAAATTTGAAGAA 300
Qy      301 TGTAGTGTGACATGTAAACCTTTCATCTGCTTCCACTGCTTTCATGACACCT 360
Db      301 TGTAGTGTGACATGTAAACCTTTCATCTGCTTCCACTGCTTTCATGACACCT 360
Qy      361 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTCTTAAATAATCACTGCTCTCC 420
Db      361 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTCTTAAATAATCACTGCTCTCC 420
Qy      421 AAAAAAAAAAAAAA 436
Db      421 AAAAAAAAAAAAAA 436

```

```

RESULT 3
US-09-583-169-3
; Sequence 3, Application US/09583169
; Patent No. 6338948
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/583,169
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/821,451
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073

```

REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 436 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: CDNA
US-09-583-169-3

Query Match 100.0%; Score 436; DB 4; Length 436;
Best Local Similarity 100.0%; Pred. No. 9,5e-129; Indels 0; Gaps 0;
Matches 436; Conservative 0; Mismatches 0;

QY 1 TTGTTTGTGAAGCTGAGCTCAGCAGCAAAACAGCCACCATGAGCTGCTGCTGCTC 60
DB 1 TTGTTTGTGAAGCTGAGCTCAGCAGCAAAACAGCCACCATGAGCTGCTGCTGCTC 60
QY 61 CTGCTGCTCAGCTGCGCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
DB 61 CTGCTGCTCAGCTGCGCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
QY 121 GTTTCGAGCTGTTAGACTTCTTCTCATTAGTGAACCTGTTCAAGTTAAGCTTGGC 180
DB 121 GTTTCGAGCTGTTAGACTTCTTCTCATTAGTGAACCTGTTCAAGTTAAGCTTGGC 180
QY 181 AAATTGATGCCCCCTCCGGAAGCTGTTGCAAGCCAAATTGAGTGAAGATGACGAT 240
DB 181 AAATTGATGCCCCCTCCGGAAGCTGTTGCAAGCCAAATTGAGTGAAGATGACGAT 240
QY 241 CAGATGCCCCCTCAGAAACGAAAGCTCATTGCGGAAGCTGCTGCTGCTGCTGCTGCTGCT 300
DB 241 CAGATGCCCCCTCAGAAACGAAAGCTCATTGCGGAAGCTGCTGCTGCTGCTGCTGCTGCT 300
QY 301 TGTAGTGTGACATGATGAAACCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
DB 301 TGTAGTGTGACATGATGAAACCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
QY 361 GATCTTCACTGCAAGATGTAAGGTTTCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB 361 GATCTTCACTGCAAGATGTAAGGTTTCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
QY 421 AAAAAAAAAAAAAA 436
DB 421 AAAAAAAAAAAAAA 436

RESULT 4
US-08-912-276-4
Sequence 4, Application US/08912276
Patent No. 6183952
GENERAL INFORMATION:
APPLICANT: Billings-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colpitts, Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Gordon, Julian
APPLICANT: Granados, Edward N.
APPLICANT: Hodges, Steven C.
APPLICANT: Klass, Michael R.
APPLICANT: Kratochvil, Jon D.
APPLICANT: Roberts-Kapp, Lisa
APPLICANT: Russell, John C.
APPLICANT: Stroupe, Steven D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE BREAST
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSER: Abbott Laboratories
STREET: 100 Abbott Park Road

CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972, US, P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1725
TELEFAX: 847/938-2623
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 482 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-912-276-4

Query Match 98.9%; Score 431.2; DB 3; Length 482;
Best Local Similarity 99.3%; Pred. No. 3,4e-127;
Matches 433; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TTGTTTGTGAAGCTGAGCTCAGCAGCAAAACAGCCACCATGAGCTGCTGCTGCTC 60
DB 37 TTGTTTGTGAAGCTGAGCTCAGCAGCAAAACAGCCACCATGAGCTGCTGCTGCTC 96
QY 61 CTGCTGCTCAGCTGCGCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
DB 97 CTGCTGCTCAGCTGCGCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 156
QY 121 GTTTCGAGCTGTTAGACTTCTTCTCATTAGTGAACCTGTTCAAGTTAAGCTTGGC 180
DB 157 GTTTCGAGCTGTTAGACTTCTTCTCATTAGTGAACCTGTTCAAGTTAAGCTTGGC 216
QY 181 AAATTGATGCCCCCTCCGGAAGCTGTTGCAAGCCAAATTGAGTGAAGATGACGAT 240
DB 217 AAATTGATGCCCCCTCCGGAAGCTGTTGCAAGCCAAATTGAGTGAAGATGACGAT 276
QY 241 CAGATGCCCCCTCAGAAACGAAAGCTCATTGCGGAAGCTGCTGCTGCTGCTGCTGCTGCT 300
DB 277 CAGATGCCCCCTCAGAAACGAAAGCTCATTGCGGAAGCTGCTGCTGCTGCTGCTGCTGCT 336
QY 301 TGTAGTGTGACATGATGAAACCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
DB 337 TGTAGTGTGACATGATGAAACCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 396
QY 361 GATCTTCACTGCAAGATGTAAGGTTTCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB 397 GATCTTCACTGCAAGATGTAAGGTTTCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 456
QY 421 AAAAAAAAAAAAAA 436
DB 457 AAAAAAAAAAAAAA 472

RESULT 5
US-09-215-818-2
Sequence 2, Application US/09215818A
Patent No. 6379671

GENERAL INFORMATION:
APPLICANT: Colipits, Tracey
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
FILE REFERENCE: 5972.US.P2
CURRENT APPLICATION NUMBER: US/09/215,818A
CURRENT FILING DATE: 1998-12-18
EARLIER APPLICATION NUMBER: 08/912,276
EARLIER FILING DATE: 1997-08-17
EARLIER APPLICATION NUMBER: 08/697,105
EARLIER FILING DATE: 1996-08-19
EARLIER APPLICATION NUMBER: 08/912,149
EARLIER FILING DATE: 1997-08-15
EARLIER APPLICATION NUMBER: 08/697,106
EARLIER FILING DATE: 1996-08-19
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 482
TYPE: DNA
ORGANISM: Homo Sapiens
US-09-215-818-2

Query Match 96.6%; Score 421; DB 4; Length 482;
Best Local Similarity 100.0%; Pred. No. 5,8e-124;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 TTGTTGTGAAAGCTGAGCTCAGCAAAACCAACCAATGAGCTGCTGCTC 60
58 TTGTTGTGAAAGCTGAGCTCAGCAAAACCAACCAATGAGCTGCTGCTC 117
61 CTGCTGATCAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
118 CTGCTGATCAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 177
121 GTTCTGAGCTGTTAGACTCTTCTTCATTAGTGAACCTCTGTTCAAGTTAGCTTGGC 180
178 GTTCTGAGCTGTTAGACTCTTCTTCATTAGTGAACCTCTGTTCAAGTTAGCTTGGC 237
181 AAATTGATGATCCCTCCGGAAGCTGTGACAGCCAACTGAGTGAAGATGACGAT 240
238 AAATTGATGATCCCTCCGGAAGCTGTGACAGCCAACTGAGTGAAGATGACGAT 297
241 CAGATGTCCTTCAAGAAACGACCTGATTCGGAAGCTCTGTTGAAAATATTGAAGAA 300
298 CAGATGTCCTTCAAGAAACGACCTGATTCGGAAGCTCTGTTGAAAATATTGAAGAA 357
301 TGTAGTGTGACATGTGAAAACCTTCATCTGTTTCCACTGCTTCAATGACACCT 360
358 TGTAGTGTGACATGTGAAAACCTTCATCTGTTTCCACTGCTTCAATGACACCT 417
361 GATCTTCACTGACAGATGTAAAGTTTCAAGCTTGTCTTAATAATCACTGCTTCC 420
418 GATCTTCACTGACAGATGTAAAGTTTCAAGCTTGTCTTAATAATCACTGCTTCC 477
421 A 421
478 A 478

RESULT 6
US-09-467-602A-2
Sequence 2, Application US/09467602A
Patent No. 6552164
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Colipits, Tracey L.
APPLICANT: Russell, John C.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
FILE REFERENCE: 5972.US.P5
CURRENT APPLICATION NUMBER: US/09/467,602A
CURRENT FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: US 08/215,818
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: US 08/912,276
PRIOR FILING DATE: 1997-08-17
PRIOR APPLICATION NUMBER: US 08/697,105
PRIOR FILING DATE: 1996-08-19
PRIOR APPLICATION NUMBER: US 08/912,149
PRIOR FILING DATE: 1997-08-15
PRIOR APPLICATION NUMBER: US 08/697,106
PRIOR FILING DATE: 1996-08-19
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 482
TYPE: DNA
ORGANISM: Homo sapiens
US-09-467-602A-2

Query Match 96.6%; Score 421; DB 4; Length 482;
Best Local Similarity 100.0%; Pred. No. 5,8e-124;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 TTGTTGTGAAAGCTGAGCTCAGCAAAACCAACCAATGAGCTGCTGCTC 60
58 TTGTTGTGAAAGCTGAGCTCAGCAAAACCAACCAATGAGCTGCTGCTC 117
61 CTGCTGATCAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
118 CTGCTGATCAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 177
121 GTTCTGAGCTGTTAGACTCTTCTTCATTAGTGAACCTCTGTTCAAGTTAGCTTGGC 180
178 GTTCTGAGCTGTTAGACTCTTCTTCATTAGTGAACCTCTGTTCAAGTTAGCTTGGC 237
181 AAATTGATGATCCCTCCGGAAGCTGTGACAGCCAACTGAGTGAAGATGACGAT 240
238 AAATTGATGATCCCTCCGGAAGCTGTGACAGCCAACTGAGTGAAGATGACGAT 297
241 CAGATGTCCTTCAAGAAACGACCTGATTCGGAAGCTCTGTTGAAAATATTGAAGAA 300
298 CAGATGTCCTTCAAGAAACGACCTGATTCGGAAGCTCTGTTGAAAATATTGAAGAA 357
301 TGTAGTGTGACATGTGAAAACCTTCATCTGTTTCCACTGCTTCAATGACACCT 360
358 TGTAGTGTGACATGTGAAAACCTTCATCTGTTTCCACTGCTTCAATGACACCT 417
361 GATCTTCACTGACAGATGTAAAGTTTCAAGCTTGTCTTAATAATCACTGCTTCC 420
418 GATCTTCACTGACAGATGTAAAGTTTCAAGCTTGTCTTAATAATCACTGCTTCC 477
421 A 421
478 A 478

RESULT 7
US-08-912-276-3
Sequence 3, Application US/08912276
Patent No. 6183952
GENERAL INFORMATION:
APPLICANT: Billings-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colipits, Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Gordon, Julian
APPLICANT: Gradados, Edward N.
APPLICANT: Hodges, Steven C.
APPLICANT: Klaes, Michael R.
APPLICANT: Kratochvil, Jon D.
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Russell, John C.
APPLICANT: Stroupe, Steven D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

```

TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 494 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-912-276-3

Query Match 96.6%; Score 421; DB 3; Length 494;
Best Local Similarity 100.0%; Pred. No. 5.9e-124;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGTTTGAAGCTGAGCTCAAGCAAAACAGCCACATGAGGCTGCGTGTCTC 60
DB 70 TTGTTTGAAGCTGAGCTCAAGCAAAACAGCCACATGAGGCTGCGTGTCTC 129
QY 61 CTGCTGTCAGCTGAGCTGCTCTGCTGCTACAGGCCAATGCCAGTTCTGCCAGCTCTT 120
DB 130 CTGCTGTCAGCTGAGCTGCTCTGCTGCTACAGGCCAATGCCAGTTCTGCCAGCTCTT 189
QY 121 GTTTCAGAGCTGTAGACTTCTTCTTCAATAGTAAGTCTGTTCAAGTTAAGTCTGACC 180
DB 190 GTTTCAGAGCTGTAGACTTCTTCTTCAATAGTAAGTCTGTTCAAGTTAAGTCTGACC 249
QY 181 AAATTGATGCCCTCCGGAAGCTGTGACAGCCAGTTAGAGATGAGATCAGCGAT 240
DB 250 AAATTGATGCCCTCCGGAAGCTGTGACAGCCAGTTAGAGATGAGATCAGCGAT 309
QY 241 CAGATGTCCTTCAGAAACAGAGCTCATTCGCGAAGTCTGTGAAAAAATTGAGAAAA 300
DB 310 CAGATGTCCTTCAGAAACAGAGCTCATTCGCGAAGTCTGTGAAAAAATTGAGAAAA 369
QY 301 TGTAGTGTGACATGTAAAAAATTGACCTGCTGTTTCCAGTCTGCTTCAATGACACCT 360
DB 370 TGTAGTGTGACATGTAAAAAATTGACCTGCTGTTTCCAGTCTGCTTCAATGACACCT 429
QY 361 GATCTTCAGTCAAGATGTAAGTTTCAAGCTTTCGTTTAAATATCATCTGCTCTCC 420
DB 430 GATCTTCAGTCAAGATGTAAGTTTCAAGCTTTCGTTTAAATATCATCTGCTCTCC 489
QY 421 A 421
DB 490 A 490

```

```

RESULT 8
US-08-969-987-4
Sequence 4, Application US/08969987A
Patent No. 6303297
GENERAL INFORMATION:
APPLICANT: Lincoln, Steve
APPLICANT: Klingner, Tod M.
APPLICANT: Au-Yang, Janice
APPLICANT: Tang, Y. Tom
APPLICANT: Gould, Richard
APPLICANT: Akerblom, Ingrid E.
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Hawkins, Phillip R.
APPLICANT: Murry, Lynn E.
APPLICANT: Deleane, Angelo M.
APPLICANT: Levine, Wendy B.
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
APPLICANT: Altus, Christina M.
APPLICANT: Bandman, Olga
APPLICANT: Labrie, Samuel T.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: Database for Storage and Analysis of
FILE REFERENCE: 6514-069001
CURRENT APPLICATION NUMBER: US/08/969,987A
EARLIER FILING DATE: 1997-11-13
EARLIER APPLICATION NUMBER: 08/282,955
EARLIER FILING DATE: 1995-07-29
EARLIER APPLICATION NUMBER: 08/187,530
EARLIER FILING DATE: 1994-01-27
EARLIER APPLICATION NUMBER: 08/179,873
EARLIER FILING DATE: 1994-01-11
EARLIER APPLICATION NUMBER: 08/100,523
EARLIER FILING DATE: 1993-08-03
EARLIER APPLICATION NUMBER: 07/977,780
EARLIER FILING DATE: 1992-11-19
EARLIER APPLICATION NUMBER: 07/916,491
EARLIER FILING DATE: 1992-07-17
EARLIER APPLICATION NUMBER: 08/289,822
EARLIER FILING DATE: 1994-08-12
EARLIER APPLICATION NUMBER: 08/581,240
EARLIER FILING DATE: 1995-12-29
EARLIER APPLICATION NUMBER: 08/657,697
EARLIER FILING DATE: 1996-05-29
EARLIER APPLICATION NUMBER: 08/747,547
EARLIER FILING DATE: 1996-11-12
EARLIER APPLICATION NUMBER: 08/712,710
EARLIER FILING DATE: 1996-09-12
EARLIER APPLICATION NUMBER: 08/744,026
EARLIER FILING DATE: 1996-11-05
EARLIER APPLICATION NUMBER: 08/786,999
EARLIER FILING DATE: 1997-01-23
EARLIER APPLICATION NUMBER: 08/822,262
EARLIER FILING DATE: 1997-03-20
EARLIER APPLICATION NUMBER: 08/951,750
EARLIER FILING DATE: 1997-10-16
NUMBER OF SEQ ID NOS: 10
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 405
TYPE: DNA
ORGANISM: Homo sapiens
US-08-969-987-4

Query Match 89.7%; Score 391; DB 4; Length 405;
Best Local Similarity 100.0%; Pred. No. 1.6e-114;
Matches 391; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGTTTGAAGCTGAGCTCAAGCAAAACAGCCACATGAGGCTGCGTGTCTC 60
DB 15 TTGTTTGAAGCTGAGCTCAAGCAAAACAGCCACATGAGGCTGCGTGTCTC 74

```

QY 61 CTGCTGTCAGCGCTGGCCCTCTGCTGTCACAGGCGAATGCGAGTTCTGCGAGCTCTT 120
 DB 75 CTGCTGTCAGCGCTGGCCCTCTGCTGTCACAGGCGAATGCGAGTTCTGCGAGCTCTT 134
 QY 121 GTTCTGAGCTGTAGACTCTTCTTCATTTAGTAAGCTCTGTTCAGATTAAAGCTTGCC 180
 DB 135 GTTCTGAGCTGTAGACTCTTCTTCATTTAGTAAGCTCTGTTCAGATTAAAGCTTGCC 194
 QY 161 AATTGATGCCCCCTCCGGAAGCTGTTCAGGCGAAGTTAGAGAGGAAGATGACGGAT 240
 DB 195 AATTGATGCCCCCTCCGGAAGCTGTTCAGGCGAAGTTAGAGAGGAAGATGACGGAT 254
 QY 241 CAGATGTCCTCTCAGAAAGAGCTCATTCGCGAAGCTGTGGAATAATTGAAAGAA 300
 DB 255 CAGATGTCCTCTCAGAAAGAGCTCATTCGCGAAGCTGTGGAATAATTGAAAGAA 314
 QY 301 TGTAGTGTGTGACATGTAAAACTTTCACTCTGTTTCACTGTTTCAATGACACCTT 360
 DB 315 TGTAGTGTGTGACATGTAAAACTTTCACTCTGTTTCACTGTTTCAATGACACCTT 374
 QY 361 GATCTCACTGCGAAGTAAAGTTTCAAC 391
 DB 375 GATCTCACTGCGAAGTAAAGTTTCAAC 405

RESULT 9
 US-08-821-451A-1
 ; Sequence 1, Application US/08821451A
 ; Patent No. 6066724

GENERAL INFORMATION:
 APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
 TITLE OF INVENTION: Human Endometrial Specific Steroid-
 NUMBER OF SEQUENCES: 27
 BINDING FACTOR I, II and III
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
 ADDRESS: CECCHI, STEWART & OLSTEIN
 STREET: 6 BECKER FARM ROAD
 CITY: ROSELAND
 STATE: NEW JERSEY
 COUNTRY: USA
 ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/821,451A
 FILING DATE: March 21, 1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/014,724

FILING DATE: March 21, 1996

ATTORNEY/AGENT INFORMATION:

NAME: MULLINS, J.G.

REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (PF257)

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 433 BASE PAIRS

TYPE: NUCLEIC ACID

STRANDEDNESS: SINGLE

TOPOLOGY: LINEAR

MOLECULE TYPE: CDNA

US-08-821-451A-1

Query Match 66.1%; Score 288.4; DB 3; Length 433;
 Best Local Similarity 79.8%; Pred. No. 7,1e-82;

Matches 340; Conservative 0; Mismatches 86; Indels 0; Gaps 0;
 QY 5 TTGTAAAGCTGAGCTCAGCAAAAGCAAGCACCATGAGCTGTGTGCTCTGC 64
 DB 8 TTGTAAAGCTGAGCTCAGCAAAAGCAAGCACCATGAGCTGTGTGCTCTGC 67
 QY 65 TGGTCAAGCTGGCCCTCTGCTGCTCAACAGGCCAATGCCAGTTCTGCCAGCTCTGTT 124
 DB 68 TGGTCTGGCTGGCCCTCTGCTGCTCAACAGGCCAATGCCAGTTCTGCCAGCTCTGTT 127
 QY 125 CTGAGCTGTAGACTCTTCTTCATTTAGTAAGCTCTGTTCAGATTAAAGCTTGCC 184
 DB 128 CTGAGCTGTAGACTCTTCTTCATTTAGTAAGCTCTGTTCAGATTAAAGCTTGCC 187
 QY 185 TTGATGCCCCCTCCGGAAGCTGTTCAGGCGAAGTTAGAGAGGAAGATGACGGAT 244
 DB 188 TTGATGCCCCCTCCGGAAGCTGTTCAGGCGAAGTTAGAGAGGAAGATGACGGAT 247
 QY 245 TGTCCCTCAGAAAGGAAGCTCATTCGCGAAGCTGTGGAATAATTGAAAGAAATG 304
 DB 248 TGTCCCTCAGAAAGGAAGCTCATTCGCGAAGCTGTGGAATAATTGAAAGAAATG 307
 QY 305 GTGTGTGACATGTAAAACTTTCACTCTGTTTCACTGTTTCAATGACACCTGATC 364
 DB 308 GTGTGTGACATGTAAAACTTTCACTCTGTTTCACTGTTTCAATGACACCTGATC 367
 QY 365 TTGACTGCGAAGTAAAGTTTCAAGCTCTGTTTCAATGACACCTGATC 424
 DB 368 TTGACTGCGAAGTAAAGTTTCAAGCTCTGTTTCAATGACACCTGATC 427
 QY 425 AAAAAA 430
 DB 428 AAAAAA 433

RESULT 10

US-09-263-810-1

; Sequence 1, Application US/09263810

; Patent No. 6174992

GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz

TITLE OF INVENTION: Human Endometrial Specific Steroid-

NUMBER OF SEQUENCES: 27

BINDING FACTOR I, II and III

CORRESPONDENCE ADDRESS:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

ADDRESS: CECCHI, STEWART & OLSTEIN

STREET: 6 BECKER FARM ROAD

CITY: ROSELAND

STATE: NEW JERSEY

COUNTRY: USA

ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE

OPERATING SYSTEM: MS-DOS

SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/263,810

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/821,451

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: MULLINS, J.G.

REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (PF257)

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

```

; LENGTH: 433 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: CDNA
;
US-09-263-810-1

```

Query Match	66.1%	Score 288.4	DB 3	Length 433
Best Local Similarity	79.8%	Pred. No. 7.1e-82		
Matches 340; Conservative	0	Mismatches 86	Indels 0	Gaps 0

QY	5	TTGGAAAGCTGAGCTCACAAGCAAAACAGCACATGAAGGTGCGGTGCTCCTGC	64
Db	8	TTGTGAAAGCTGAAGCTCAGACCGGAAATAGCCACATGAGGTGTGATGTCTCTGA	67
QY	65	TGTCACGCTGCGCCCTCTGCTGTACAGGCAATGCCAGTTCTGCCAGCTCTGT	124
Db	68	TGGCTCTGGCGCCCTTTCCTGCTACAGGCCCACTCTTGTCTGCCACCTTTCCT	127
QY	125	CTGAGCGTTAGACTTCTTCTCATAGGAACCTGTTCAGTTAAGTCTTCCCAAT	184
Db	128	CTGAGATCACAGCTCTTCTTATCTTTAAGGAGCGTGGATACTCCAACTTCCAAAC	187
QY	185	TTGATGCCCCCTCCGGAAGCTGTGACGCCAAATTGAGTGAAGAGATGCAGCATAGA	244
Db	188	TTATTCACCTCCAGAAGCTCTTGACGCCAAATTGGAAGTGAAGCATGCACCGATCAGA	247
QY	245	TGTCCCTTCAGAAACGAAGCTCTATTCGGAAGTCTCGTGAAATATTGAAGAAATGA	304
Db	248	TATCTTTTAAAGAACCACTCTATGGAAAAAGTCTGATGGAATATGTAAAAAAGTG	307
QY	305	GTCGTGACATGTAAAAAATTTTCATCTGATTCACCTGTCTTCAATGACACCTGATC	364
Db	308	GTCGTGACATGTAAAAAATGCTCAACTGATTTTCCAAAGTCTTTCACGACACCTGATC	367
QY	365	TTCACTGCAGATATGTAAGATTCAACGATTCGCTTAAATAATCATCTGCTCCAAAA	424
Db	368	TTCACTAAAAATGTAAAGTTTCAACAGTGTCTTTAATAATCATCTGCTCCGACAT	427
QY	425	AAAAAA 430	
Db	428	CAAAAA 433	

RESULT 11
 US-09-583-169-1
 Sequence 1, Application US/09583169
 Patent No. 6338948
 GENERAL INFORMATION:
 APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Genz
 TITLE OF INVENTION: Human Endometrial Specific Steroid
 TITLE OF INVENTION: Binding Factor I, II and III
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: CARILLA, BAYNE, BAIN, GILFILLAN,
 ADDRESSEE: CECCHI, STEWART & OLSTEIN
 STREET: 6 BECKER FARM ROAD
 CITY: ROSELAND
 STATE: NEW JERSEY
 COUNTRY: USA
 ZIP: 07068
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/583,169
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/821,451
 FILING DATE:

```

?      ATTORNEY/AGENT INFORMATION:
?      NAME: MULLINS, J.G.
?      REGISTRATION NUMBER: 33,073
?      REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
?      TELECOMMUNICATION INFORMATION:
?      TELEPHONE: 201-994-1700
?      TELEFAX: 201-994-1744
?      INFORMATION FOR SEQ ID NO: 1:
?      SEQUENCE CHARACTERISTICS:
?      LENGTH: 453 BASE PAIRS
?      TYPE: NUCLEIC ACID
?      STRANDEDNESS: SINGLE
?      TOPOLOGY: LINEAR
?      MOLECULE TYPE: CDNA
?
US-09-583-169-1

```

Query Match	66.1%	Score 288.4;	DB 4;	Length 433;
Best Local Similarity	-79.8%;	Pred. No. 7.1e-82;		
Matches 340;	Conservative 0;	Mismatches 86;	Indels 0;	Gaps 0;

Oy	5	TTGTGAAAGGTAGCTCA	CAGCAAAA	CAAGCA	CAACAT	GAAGCT	GTGAGT	CTCTGC	64
Db	8	TTGTGAAAGTGAAGCT	CACAGCCGA	ATAAGCA	CCATAG	AGCTCA	GTGTCTCTGA		67
Oy	65	TGATCAGCTGAGCCCT	GTGCTG	CTACAGG	CCAAAT	GCCAAT	CTGCCAGT	CTTGT	124
Db	68	TGATCTGCTGAGGCC	TTTGTGCT	CTACAGG	CCCAAT	GTGCTT	GTGTGCC	AGCTTGTCTT	127
Oy	125	CTAGAGCTGTAAAGCT	CTCTCT	GCATTAT	AGAA	CCCTGT	CAATTA	AGCTTGCCAAAT	184
Db	128	CTAGAGTACAAAGCT	CTTATATCTT	TAATG	TGACGCTG	CCGCTTA	AACTCCAA	GTGCCAAAC	187
Oy	185	TTGATACCCCTCCG	GAAGCT	TTTGACG	CCAA	GTTAGAG	TGAAGAT	GCAGCATCAGA	244
Db	188	TTATATCACTCCAA	GAAGCT	CTTGACG	CCAA	GTTAGAG	TGAAGAT	GCATGCAGCATCAGA	247
Oy	245	TGTCCCTTCAGAA	CGAAGCT	CTATTGCG	GAAGTCT	GTGTG	AAAAAT	TTGAAAGAAATGA	304
Db	248	TATCTTTTAAGAA	CGACTCT	TATG	GAAGAA	AGTCTGTG	TGAAAT	TGTGAAAAATGTG	307
Oy	305	GTGTGTGA	CATGTAAAA	ACTTCA	CTCCG	GTTTCC	ACTGTCTT	CAATGACACCCGTATC	364
Db	308	GTGTGTGA	CATGTAAAA	ATGCTCA	CACTCG	TTTTCC	AAAGTCTT	CAACGACACCCGTATC	367
Oy	365	TTCACTGC	AGAAATGA	AAAGTTT	CAACGCT	CTTGCTT	ATAATA	TCACTTGCTTCCAAA	424
Db	368	TTCACTAAAA	ATGTAA	AGTTTCA	ACAGCT	TGCTTT	ATAATA	TCACTTGCCCTGCACAT	427
Oy	425	AAAAAA	430						
Db	428	CAAAAA	433						

RESULT 12
 US-08-912-276-2
 Sequence 2, Application US/08912276
 Patent No. 6183852
 GENERAL INFORMATION:
 APPLICANT: Billing-Medel, Patricia A.
 APPLICANT: Cohen, Maurice
 APPLICANT: Colpiter, Tracey L.
 APPLICANT: Friedman, Paula N.
 APPLICANT: Gordon, Julian
 APPLICANT: Granados, Edward N.
 APPLICANT: Hodges, Steven C.
 APPLICANT: Klaas, Michael R.
 APPLICANT: Kratochvil, Jon D.
 APPLICANT: Roberts-Rapp, Lisa
 APPLICANT: Russell, John C.
 APPLICANT: Stroupe, Steven D.
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
 TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST
 NUMBER OF SEQUENCES: 25

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 230 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-912-276-2

Query Match          51.8%; Score 226; DB 3; Length 230;
Best Local Similarity 100.0%; Pred. No. 3.3e-62;
Matches 226; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 196 CCGGAGCTGTGGCAGCCAGTGAAGATGACGATGATGCTCCCTTCA 255
DB 1 CCGGAGCTGTGGCAGCCAGTGAAGATGACGATGATGCTCCCTTCA 60
QY 256 AAACGAGCCTGCTGCGGAGCTGCTGTAATAATGAAATGATGATGAT 315
DB 61 AAACGAGCCTGCTGCGGAGCTGCTGTAATAATGAAATGATGATGAT 120
QY 316 GTTAAACTTTCATCTGCTGCTTCACTGCTTCAATGACACCTGATCTTCACTGACAG 375
DB 121 GTTAAACTTTCATCTGCTGCTTCACTGCTTCAATGACACCTGATCTTCACTGACAG 180
QY 376 ATGTAAGGTTTCAAGCTGCTTCAATTAATCACTGCTGCTCA 421
DB 181 ATGTAAGGTTTCAAGCTGCTTCAATTAATCACTGCTGCTCA 226

RESULT 13
US-08-912-276-1
; Sequence 1, Application US/08912276
; Patent No. 6183952
; GENERAL INFORMATION:
; APPLICANT: Billing-Medel, Patricia A.
; APPLICANT: Cohen, Maurice
; APPLICANT: Colpitts, Tracey L.
; APPLICANT: Friedman, Paula N.
; APPLICANT: Gordon, Julian
; APPLICANT: Granados, Edward N.
; APPLICANT: Hodges, Steven C.
; APPLICANT: Klaes, Michael R.
; APPLICANT: Kratochvil, Jon D.
; APPLICANT: Roberts-Rapp, Lisa
; APPLICANT: Russell, John C.
; APPLICANT: Stroupe, Steven D.
```

```

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE BREAST
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 237 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-912-276-1

Query Match          51.4%; Score 224; DB 3; Length 237;
Best Local Similarity 100.0%; Pred. No. 1.4e-61;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGTTGTGAAGCTGAGCTCAGCAAGCAAAACAACCAATGAGTGTGCTGCTC 60
DB 14 TTGTTGTGAAGCTGAGCTCAGCAAGCAAAACAACCAATGAGTGTGCTGCTC 73
QY 61 CTGCTGCTCAGCGCTGCGCCCTGCTGCTACAGGCAATGCGAGTTCGCCAGCTCT 120
DB 74 CTGCTGCTCAGCGCTGCGCCCTGCTGCTACAGGCAATGCGAGTTCGCCAGCTCT 133
QY 121 GTTCTGAGCTGTAGACTTCTTCTTCAATTAAGTGAACCTCTGTTCAAGTTAAGTCTTGCC 180
DB 134 GTTCTGAGCTGTAGACTTCTTCTTCAATTAAGTGAACCTCTGTTCAAGTTAAGTCTTGCC 193
QY 181 AAATTGATGCCCTCCGGAAGCTGTTGACGCCAAGTTGGAGT 224
DB 194 AAATTGATGCCCTCCGGAAGCTGTTGACGCCAAGTTGGAGT 237

RESULT 14
US-09-389-681-209/C
; Sequence 209, Application US/09389681A
; Patent No. 6518237
; GENERAL INFORMATION:
; APPLICANT: Yuqul, Jiang
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jianshun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
```


NUMBER OF SEQ ID NOS: 463
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 209
 LENGTH: 231
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (83)
 OTHER INFORMATION: n=A,T,C or G
 US-09-389-681-209

Query Match 51.1%; Score 223; DB 4; Length 231;
 Best Local Similarity 99.6%; Pred. No. 2.9e-61;
 Matches 223; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 198 GGAAGCTGTTCAGCCCAAGTTGAGATGAGATGACGATCGATGCTCCCTCAGAA 257
 DB 225 GGAAGCTGTTCAGCCCAAGTTGAGATGAGATGACGATCGATGCTCCCTCAGAA 166
 QY 258 ACGAAGCTTCATTCGCGAAGTCTGCTGTAATAATGTAAGTGTGACATGT 317
 DB 165 ACGAAGCTTCATTCGCGAAGTCTGCTGTAATAATGTAAGTGTGACATGT 106
 QY 318 AAAAAGTTTCACGCTGCTGTTCCATGCTCTTCAATGACACCTGATCTTCAGCAAT 377
 DB 105 AAAAAGTTTCACGCTGCTGTTCCATGCTCTTCAATGACACCTGATCTTCAGCAAT 46
 QY 378 GTAAAGTTTCACGCTGCTGTTTAAATAATCACTGCTCTCCA 421
 DB 45 GTAAAGTTTCACGCTGCTGTTTAAATAATCACTGCTCTCCA 2

RESULT 15
 US-09-620-405B-209/c
 Sequence 209, Application US/09620405B
 Patent No. 6528054
 GENERAL INFORMATION:
 APPLICANT: Jiang, Yugu
 APPLICANT: Dillon, Davin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Xu, Jiangchun
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Hepler, William T.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
 FILE REFERENCE: 210121.470C8
 CURRENT APPLICATION NUMBER: US/09/620,405B
 CURRENT FILING DATE: 2000-07-20
 NUMBER OF SEQ ID NOS: 495
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 209
 LENGTH: 231
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (83)
 OTHER INFORMATION: n=A,T,C or G
 US-09-620-405B-209

Query Match 51.1%; Score 223; DB 4; Length 231;
 Best Local Similarity 99.6%; Pred. No. 2.9e-61;
 Matches 223; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 198 GGAAGCTGTTCAGCCCAAGTTGAGATGAGATGACGATCGATGCTCCCTCAGAA 257
 DB 225 GGAAGCTGTTCAGCCCAAGTTGAGATGAGATGACGATCGATGCTCCCTCAGAA 166
 QY 258 ACGAAGCTTCATTCGCGAAGTCTGCTGTAATAATGTAAGTGTGACATGT 317
 DB 165 ACGAAGCTTCATTCGCGAAGTCTGCTGTAATAATGTAAGTGTGACATGT 106

QY 318 AAAAAGTTTCACGCTGCTGTTTAAATAATCACTGCTCTCCA 377
 DB 105 AAAAAGTTTCACGCTGCTGTTTAAATAATCACTGCTCTCCA 46
 QY 378 GTAAAGTTTCACGCTGCTGTTTAAATAATCACTGCTCTCCA 421
 DB 45 GTAAAGTTTCACGCTGCTGTTTAAATAATCACTGCTCTCCA 2

Search completed: March 14, 2004, 14:29:42
 Job time : 84 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using SW model

Run on: March 14, 2004, 14:16:55 ; Search time 302 Seconds

(without alignments)
5315.154 Million cell updates/sec

Title: US-09-806-301-1

Perfect score: 436
Sequence: 1 tctgttctggaagctgagct.....ctccaaaaaaaaaaaaaa 436

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2432557 seqs, 184079884 residues

Total number of hits satisfying chosen parameters: 4865114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

```
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCF_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCFUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US10C_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	436	100.0	436	9	US-09-985-911-3
2	436	100.0	625	14	US-10-198-846-8720
3	429.6	98.5	643	14	US-10-198-846-12752
4	421	96.6	482	10	US-09-975-502A-2
5	421	96.6	482	15	US-10-131-410-58
6	418.4	96.0	444	12	US-10-058-270A-83
7	418.4	96.0	444	14	US-10-057-340-180
8	418.4	96.0	444	14	US-10-177-293-271
9	418.4	96.0	463	9	US-09-825-301-76
10	418.4	96.0	463	9	US-09-110-716-28
11	418.4	96.0	463	10	US-09-905-673-10
12	418.4	96.0	463	14	US-10-096-319-10
13	418.4	96.0	463	14	US-10-033-527-76
14	411.6	94.4	500	9	US-09-778-320-85
15	411.6	94.4	500	9	US-09-910-689-85

C	16	411.6	94.4	500	13	US-10-010-742-85	Sequence 85, Appl
	17	391	89.7	405	9	US-09-956-999-4	Sequence 4, Appl1
	18	391	89.7	405	9	US-09-934-054-2	Sequence 2, Appl1
	19	288.4	66.1	433	9	US-09-985-911-1	Sequence 1, Appl1
	20	285.4	65.5	287	10	US-09-905-673-7	Sequence 7, Appl1
	21	285.4	65.5	287	10	US-09-905-673-11	Sequence 11, Appl1
	22	285.4	65.5	287	10	US-09-905-673-12	Sequence 12, Appl1
	23	285.4	65.5	287	10	US-09-905-673-13	Sequence 13, Appl1
	24	285.4	65.5	287	10	US-09-905-673-16	Sequence 16, Appl1
	25	285.4	65.5	287	14	US-10-096-319-7	Sequence 7, Appl1
	26	285.4	65.5	287	14	US-10-096-319-11	Sequence 11, Appl1
	27	285.4	65.5	287	14	US-10-096-319-12	Sequence 12, Appl1
	28	285.4	65.5	287	14	US-10-096-319-13	Sequence 13, Appl1
	29	285.4	65.5	287	14	US-10-096-319-16	Sequence 16, Appl1
	30	283.8	65.1	287	10	US-09-905-673-8	Sequence 8, Appl1
	31	283.8	65.1	287	10	US-09-905-673-14	Sequence 14, Appl1
	32	283.8	65.1	287	10	US-09-905-673-15	Sequence 15, Appl1
	33	283.8	65.1	287	10	US-09-905-673-17	Sequence 17, Appl1
	34	283.8	65.1	287	14	US-10-096-319-8	Sequence 8, Appl1
	35	283.8	65.1	287	14	US-10-096-319-14	Sequence 14, Appl1
	36	283.8	65.1	287	14	US-10-096-319-15	Sequence 15, Appl1
	37	283.8	65.1	287	14	US-10-096-319-17	Sequence 17, Appl1
	38	279.4	64.1	668	15	US-10-125-968-535	Sequence 535, App
	39	279.2	64.0	434	9	US-09-989-723-259	Sequence 259, App
	40	279.2	64.0	434	9	US-09-989-723-259	Sequence 259, App
	41	279.2	64.0	434	9	US-09-989-723-259	Sequence 259, App
	42	279.2	64.0	434	9	US-09-989-723-259	Sequence 259, App
	43	279.2	64.0	434	9	US-09-989-723-259	Sequence 259, App
	44	279.2	64.0	434	9	US-09-989-723-259	Sequence 259, App
	45	279.2	64.0	434	9	US-09-991-073-259	Sequence 259, App

ALIGNMENTS

```
RESULT 1
US-09-985-911-3
; Sequence 3, Application US/09985911
; Patent No. US20020151012A1
; GENERAL INFORMATION:
; APPLICANT: NI ET AL.
; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III
; RITE REFERENCE: PR257D3
; CURRENT APPLICATION NUMBER: US/09/985,911
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: 09/563,169
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/263,810
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 08/821,451
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: 60/014,724
; PRIOR FILING DATE: 1996-03-21
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 436
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (40)..(309)
; OTHER INFORMATION:
; NAME/KEY: sig peptide
; LOCATION: (40)..(102)
; OTHER INFORMATION:
; NAME/KEY: mat peptide
; LOCATION: (103)..(309)
; OTHER INFORMATION:
; US-09-985-911-3
Query Match 100.0%; Score 436; DB 9; Length 436;
Best Local Similarity 100.0%; Pred. No. 2.6e-129;
```


Qy	18	AAATTGATGCCCTCCGGAAGCTGTGCAGCAAGTAGAGTGGAAGATGACGAT	240
Db	264	AAATTGATGCCCTCCGGAAGCTGTGCAGCAAGTAGAGTGGAAGATGACGAT	323
Qy	241	CAATGTCCCTTCAGAAACGAAGCTCATTCGGAAAGTCTGGTGAATAATTGAAATAA	300
Db	324	CAATGTCCCTTCAGAAACGAAGCTCATTCGGAAAGTCTGGTGAATAATTGAAATAA	383
Qy	301	TGTAGTGTTGGAATGTAAATACTTCACTCGTGTTCACATGCTTCAATGACACCT	360
Db	384	TGTAGTGTTGGAATGTAAATACTTCACTCGTGTTCACATGCTTCAATGACACCT	443
Qy	361	GATCTTCACGTGCAAAATGTAAAGTTCAACGTCTTGTAAATAATCACTGCTCC	420
Db	444	GATCTTCACGTGCAAAATGTAAAGTTCAACGTCTTGTAAATAATCACTGCTCC	503
Qy	421	AAAAAAAAAAAAAAAA 436	
Db	504	ACGTCAAAAAAAAAA 519	

```

RESULT 4
US-09-975-502A-2
Sequence 2, Application US/09975502A
Publication No. US20030044859A1
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Henslee, Jerry G.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
FILE REFERENCE: 5972 US, P7
CURRENT APPLICATION NUMBER: US/09/975,502A
CURRENT FILING DATE: 2002-06-10
PRIORITY APPLICATION NUMBER: US 09/467,602
PRIORITY FILING DATE: 1999-12-20
PRIORITY APPLICATION NUMBER: US 09/215,818
PRIORITY FILING DATE: 1998-12-18
PRIORITY APPLICATION NUMBER: US 08/912,276
PRIORITY FILING DATE: 1997-08-15
PRIORITY APPLICATION NUMBER: US 08/657,105
PRIORITY FILING DATE: 1996-08-19
PRIORITY APPLICATION NUMBER: US 08/912,149
PRIORITY FILING DATE: 1997-08-15
PRIORITY APPLICATION NUMBER: US 08/697,106
PRIORITY FILING DATE: 1996-08-19
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PasteSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 482
TYPE: DNA
ORGANISM: Homo sapiens
US-09-975-502A-2

```

Query Match	96.6%	Score 421	DB 124	Length 482
Best Local Similarity	100.0%	Pred. No.	1.88-1.14	
Matches	421	Conservative	0	Mismatches 0; Indels 0; Gaps 0
QY	1	TTGTTTGTGAAACCTAGCTACAGGAAAAACAAGCCACATGAGACGTGCGGTGTCTC	60	
DB	58	TTGTTTGTGAAACCTAGCTACAGGAAAAACAAGCCACATGAGACGTGCGGTGTCTC	117	
QY	61	CTGCTGATCAACGCTGGCCCTCTCTGCTGCTACACAGGCGCAATGCCGAGTTCTGCCACGCTCTT	120	
DB	118	CTGCTGATCAACGCTGGCCCTCTCTGCTGCTACACAGGCGCAATGCCGAGTTCTGCCACGCTCTT	177	
QY	121	GTTCCTAGAGCTGTAAACCTCTTCTTCATTAGTAACCTCTTCTCAAGTTAAGTTTGGCC	180	
DB	178	GTTCCTAGAGCTGTAAACCTCTTCTTCATTAGTAACCTCTTCTCAAGTTAAGTTTGGCC	237	
QY	181	AAATTTGATCCCCCTCCGGAAGCTGTGGCAGCCAAATTAGAGAGAGATGACAGGAT	240	
DB	238	AAATTTGATCCCCCTCCGGAAGCTGTGGCAGCCAAATTAGAGAGAGATGACAGGAT	297	

OY	241	CAATGTCCCTTCAGAAACGAACCTCACTGGAGAGCCCGGAGAAATATGAGAA	300
		298	CAATGTCCCTTCAGAAACGAACCTCACTGGAGAGCTCGAGAAATATGAGAA
Db			357
OY	301	TGTAGTGTGACATGTAAAACTTCATCCGTGTTTCACTGTCTTTCATGACACCT	360
		358	TGTAGTGTGACATGTAAAACTTCATCCGTGTTTCACTGTCTTTCATGACACCT
Db			417
OY	361	GATCTTCACTGCAGAAATGTAAGGTTTCAACGTCCTGTTTAATAAATCACTGCTCTCC	420
		418	GATCTTCACTGCAGAAATGTAAGGTTTCAACGTCCTGTTTAATAAATCACTGCTCTCC
Db			477
OY	421	A 421	
		478	A 478
Db			

```

RESULT 5
US-10-131-410-58
; Sequence 58, Application US/10131410
; Publication No. US20030235915a1
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHEMITT, ARMIN
; APPLICANT: PILARSKI, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
; TITLE OR INVENTION: TUMORS
; FILE REFERENCE: SCH-1763
; CURRENT APPLICATION NUMBER: US/10/131,410
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 09/646,673
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: PCT/DE99/00308
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 202
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 58
; LENGTH: 494
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-410-58

```

Query Match	96.6%;	Score 421;	DB 15;	Length 494;
Best Local Similarity	100.0%;	Pred. 1.8e-124;		
Matches 421;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	TTGTTTGTGGAAGCTGAGCTACACGCAAAACAAACCCACATGAAAGCTGTCCGCTGTCTC	60	
Db	70	TTGTTTGTGGAAGCTGAGCTACACGCAAAACAAACCCACATGAAAGCTGTCCGCTGTCTC	129	
QY	61	CTGCTGTGCACGCTGCGCCCTCTGCTGTACACAGGCCAATGCCAGTTCTGCCACGCTTT	120	
Db	130	CTGCTGTGCACGCTGCGCCCTCTGCTGTACACAGGCCAATGCCAGTTCTGCCACGCTTT	189	
QY	121	GTTTCTGAGCTGTAGACCTCTTCTTCAATTGTAAACCTCGTCAAGTTAAGCTTGCC	180	
Db	190	GTTTCTGAGCTGTAGACCTCTTCTTCAATTGTAAACCTCTGTTCMAATTAACTTGGC	249	
QY	181	AAATTGTATGCCCTCCGCGAAGCTGTTCAGACCCAAATTAGAGTGAAGAGATGACCGAT	240	
Db	250	AAATTGTATGCCCTCCGCGAAGCTGTTCAGACCCAAATTAGAGTGAAGAGATGACCGAT	309	
QY	241	CAGATGTCCCTTCAGAAACGAAGCTCATTCGCCGAAGCTCGATGAATAATTGAAGAA	300	
Db	310	CAGATGTCCCTTCAGAAACGAAGCTCATTCGCCGAAGCTCGATGAATAATTGAAGAA	369	
QY	301	TGTACTGTGTACATGTAAAACTTTCACTCTGTTTCCACTGTCTTCAAATGACACCTT	360	
Db	370	TGTACTGTGTACATGTAAAACTTTCACTCTGTTTCCACTGTCTTCAAATGACACCTT	429	

QY 361 GATCTTCACTGCGAAGTGAAGTTTCAACGCTCTTGTATTAATCACTGCTCTCC 420
DB 430 GATCTTCACTGCGAAGTGAAGTTTCAACGCTCTTGTATTAATCACTGCTCTCC 489
QY 421 A 421
DB 490 A 490

RESULT 6

US-10-058-270A-83
Sequence 83, Application US/10058270A
Publication No. US20040029114A1
GENERAL INFORMATION:
APPLICANT: Mack, David H.
APPLICANT: Gish, Kurt C.
APPLICANT: Afari, Daniel
APPLICANT: Eos Biotechnology, Inc.
TITLE OF INVENTION: Methods of diagnosis of Breast Cancer, Compositions and
TITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
FILE REFERENCE: 018501-005210US
CURRENT FILING DATE: US/10/058,270A
PRIOR APPLICATION NUMBER: US 60/263,965
PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: US 60/265,928
PRIOR FILING DATE: 2001-02-02
PRIOR APPLICATION NUMBER: US 09/829,472
PRIOR FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: US 60/282,698
PRIOR FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: US 60/288,590
PRIOR FILING DATE: 2001-05-04
PRIOR APPLICATION NUMBER: US 60/294,443
PRIOR FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 141
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 83
LENGTH: 444
TYPE: DNA
ORGANISM: Homo sapiens
US-10-058-270A-83

Query Match 96.0%; Score 418.4; DB 12; Length 444;
Best Local Similarity 99.8%; Pred. No. 1.2e-123;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGTTTGAAGAGTGAAGTCAAGCAAAACAGCCACATGAAGTGTGCTGCTC 60
DB 25 TTGTTTGAAGAGTGAAGTCAAGCAAAACAGCCACATGAAGTGTGCTGCTC 84
QY 61 CTGCTGATCAGCTGAGCCTCTGCTGCTACAGGCGCAAGTTCGCCAGCTCTT 120
DB 85 CTGCTGATCAGCTGAGCCTCTGCTGCTACAGGCGCAAGTTCGCCAGCTCTT 144
QY 121 GTTTCGAGCTGTTAGACTCTTCTTCAATTAAGTGAACCTCTGTTCAAGTTAGTCTGCC 180
DB 145 GTTTCGAGCTGTTAGACTCTTCTTCAATTAAGTGAACCTCTGTTCAAGTTAGTCTGCC 204
QY 181 AAATTGATGCCCCCTCCGGAAGCTGTGCAAGCCAGTTAGAGTGAAGATGACGAGT 240
DB 205 AAATTGATGCCCCCTCCGGAAGCTGTGCAAGCCAGTTAGAGTGAAGATGACGAGT 264
QY 241 CAGATGACCTTCAGAAAGCAAGCCTCATTCGCGGAAGTCTGGTGAATAATTGAAGAA 300
DB 265 CAGATGACCTTCAGAAAGCAAGCCTCATTCGCGGAAGTCTGGTGAATAATTGAAGAA 324
QY 301 TGAATGCTGCAATGTAATAAATTTCATCTGCTTCACTGCTCTTCAATGACAGCTT 360
DB 325 TGAATGCTGCAATGTAATAAATTTCATCTGCTTCACTGCTCTTCAATGACAGCTT 384
QY 361 GATCTTCACTGCGAAGTGAAGTTTCAACGCTCTTGTATTAATCACTGCTCTCC 420

DB 385 GATCTTCACTGCGAAGTGAAGTTTCAACGCTCTTGTATTAATCACTGCTCTAC 444

RESULT 7

US-10-097-340-180
Sequence 180, Application US/10097340
Publication No. US20030087250A1
GENERAL INFORMATION:
APPLICANT: John MONAHAN
APPLICANT: Manjula GANNAVAPU
APPLICANT: Sebastian HOERCH
APPLICANT: Shubhangi KAMATKAR
APPLICANT: Steve G. KOVATZ
APPLICANT: Rachel E. MEYERS
APPLICANT: Michael MORRISSEY
APPLICANT: Peter OLANDT
APPLICANT: Ami SEN
APPLICANT: Peter VEIBY
APPLICANT: Gordon B. WILLS
APPLICANT: Robert C. BAST, Jr.
APPLICANT: Karen LU
APPLICANT: Rosemarie SCHMANDT
APPLICANT: Xumel ZHAO
APPLICANT: Karen GLATT
TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
FILE REFERENCE: MRI-030
CURRENT FILING DATE: US/10/097,340
PRIOR APPLICATION NUMBER: 2002-03-14
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/276,025
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/225,149
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/276,026
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/324,967
PRIOR FILING DATE: 2001/09/26
PRIOR APPLICATION NUMBER: 60/311,732
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/325,102
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/323,580
PRIOR FILING DATE: 2001-09-19
NUMBER OF SEQ ID NOS: 363
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 180
LENGTH: 444
TYPE: DNA
ORGANISM: Homo sapiens
US-10-097-340-180

Query Match 96.0%; Score 418.4; DB 14; Length 444;
Best Local Similarity 99.8%; Pred. No. 1.2e-123;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGTTTGAAGAGTGAAGTCAAGCAAAACAGCCACATGAAGTGTGCTGCTC 60
DB 25 TTGTTTGAAGAGTGAAGTCAAGCAAAACAGCCACATGAAGTGTGCTGCTC 84
QY 61 CTGCTGATCAGCTGAGCCTCTGCTGCTACAGGCGCAAGTTCGCCAGCTCTT 120
DB 85 CTGCTGATCAGCTGAGCCTCTGCTGCTACAGGCGCAAGTTCGCCAGCTCTT 144
QY 121 GTTTCGAGCTGTTAGACTCTTCTTCAATTAAGTGAACCTCTGTTCAAGTTAGTCTGCC 180
DB 145 GTTTCGAGCTGTTAGACTCTTCTTCAATTAAGTGAACCTCTGTTCAAGTTAGTCTGCC 204
QY 181 AAATTGATGCCCCCTCCGGAAGCTGTGCAAGCCAGTTAGAGTGAAGATGACGAGT 240
DB 205 AAATTGATGCCCCCTCCGGAAGCTGTGCAAGCCAGTTAGAGTGAAGATGACGAGT 264
QY 241 CAGATGACCTTCAGAAAGCAAGCCTCATTCGCGGAAGTCTGGTGAATAATTGAAGAA 300

```
Db 265 CAGATGTCCTTACGAAACGAGCTTCATTCGCGAAAGTCTGTGTAATTAAGAGAA 324
QY 301 TGTAGTGTGACATGTAAAACTTTCATCTGGTTTCACTGCTTTCAATGACACCT 360
Db 325 TGTAGTGTGACATGTAAAACTTTCATCTGGTTTCACTGCTTTCAATGACACCT 384
QY 361 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTCTGCTTTAATATGACTTGCCTCC 420
Db 385 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTCTGCTTTAATATGACTTGCCTCC 444

RESULT 8
US-10-177-293-271
; Sequence 271, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatz, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-05-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 271
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-177-293-271

Query Match 96.0%; Score 418.4; DB 14; Length 444;
Best Local Similarity 99.8%; Pred. No. 1.2e-123;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Db 145 GTTCTGAGCTGTAGACTTCTTCTTCAATTAGTAACCTCTGTTCAGATTAAAGTCTGCC 204
QY 181 AAATTGATGCCCCCTCCGGAAGCTGTGACGCCAAGTTAGAGTGAAGATGACGGAT 240
Db 205 AAATTGATGCCCCCTCCGGAAGCTGTGACGCCAAGTTAGAGTGAAGATGACGGAT 264
QY 241 CAGATGTCCTTACGAAACGAGCTCATTTGCGGAAGTCCGTGGGAATATTGAAGAA 300
Db 265 CAGATGTCCTTACGAAACGAGCTCATTTGCGGAAGTCCGTGGGAATATTGAAGAA 324
QY 301 TGTAGTGTGACATGTAAAACTTTCATCTGGTTTCACTGCTTTCAATGACACCT 360
Db 325 TGTAGTGTGACATGTAAAACTTTCATCTGGTTTCACTGCTTTCAATGACACCT 384
QY 361 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTCTGCTTTAATATGACTTGCCTCC 420
Db 385 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTCTGCTTTAATATGACTTGCCTCC 444

RESULT 9
US-09-825-301-76
; Sequence 76, Application US/09825301
; Patent No. US20020009738A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, David C.
; APPLICANT: Molesh, David A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Zehentner, Barbara
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: METHODS, COMPOSITIONS AND KITS FOR THE DETECTION
; TITLE OF INVENTION: AND MONITORING OF BREAST CANCER
; FILE REFERENCE: 210121.513
; CURRENT APPLICATION NUMBER: US/09/825,301
; CURRENT FILING DATE: 2001-04-02
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 76
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-825-301-76

Query Match 96.0%; Score 418.4; DB 9; Length 463;
Best Local Similarity 99.8%; Pred. No. 1.2e-123;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

Db 404 GATCTTCACTGACGAGATGTAAAGTTTCAACGCTTCTTTAATAATCACTTGTCTTAC 463

RESULT 10
US-09-110-716-28
Sequence 28, Application US/09110716A
Patent No. US20020034739A1
GENERAL INFORMATION:
APPLICANT: Lehrer, Robert I.
APPLICANT: Zhao, Chengquan
APPLICANT: Glasgow, Benjamin J.
FILE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
FILE REFERENCE: 22000-20596.00
CURRENT APPLICATION NUMBER: US/09/110,716A
CURRENT FILING DATE: 1998-07-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 463
TYPE: DNA
ORGANISM: Lipophilin B
FEATURE:
NAME/KEY: CDS
LOCATION: (83)..(352)
US-09-110-716-28

Query Match 96.0%; Score 418.4; DB 9; Length 463;
Best Local Similarity 99.8%; Pred. No. 1.2e-123;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGTTTGAAGGTGAGCTCACAGCAAAACAAGCCATGAGAGCTGCGGTGCTC 60
DB 44 TTGTTTGAAGGTGAGCTCACAGCAAAACAAGCCATGAGAGCTGCGGTGCTC 103
QY 61 CTGCTGTCACGCTGCGCTCTGCTGTACCAAGCCCAATGCGAGTTTCCAGCTCTT 120
DB 104 CTGCTGTCACGCTGCGCTCTGCTGTACCAAGCCCAATGCGAGTTTCCAGCTCTT 163
QY 121 GTTTCGAGCTGTAGACTCTTCTTATTAAGTGAACCTGTGTTCAAGTTAAGTCTTGC 180
DB 164 GTTTCGAGCTGTAGACTCTTCTTATTAAGTGAACCTGTGTTCAAGTTAAGTCTTGC 223
QY 181 AAATTGATGCCCTCCGGAAGCTGTGCAAGCCCAAGTTAGAGTGAAGATGACAGAT 240
DB 224 AAATTGATGCCCTCCGGAAGCTGTGCAAGCCCAAGTTAGAGTGAAGATGACAGAT 283
QY 241 CAGATGCCCTTCGGAAGCAAGCTCATGCGGAAGTCTGTGTAATAATTGAAGAA 300
DB 284 CAGATGCCCTTCGGAAGCAAGCTCATGCGGAAGTCTGTGTAATAATTGAAGAA 343
QY 301 TGTAGTGTGACATGTAAAACTTTCATCTGTTTCCACTGTCTTCAATGACACCT 360
DB 344 TGTAGTGTGACATGTAAAACTTTCATCTGTTTCCACTGTCTTCAATGACACCT 403
QY 361 GATTTCACTGCAAGATGTAAGTTTCAACGCTTCTTAATTAATCACTTGTCTCC 420
DB 404 GATTTCACTGCAAGATGTAAGTTTCAACGCTTCTTAATTAATCACTTGTCTTAC 463

RESULT 11
US-09-905-673-10
Sequence 10, Application US/090905673
Publication No. US20030059432A1
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
FILE REFERENCE: 210121.498C1
CURRENT APPLICATION NUMBER: US/09/905,673
CURRENT FILING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 67

SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 10
LENGTH: 463
TYPE: DNA
ORGANISM: Homo sapiens
US-09-905-673-10

Query Match 96.0%; Score 418.4; DB 10; Length 463;
Best Local Similarity 99.8%; Pred. No. 1.2e-123;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGTTTGAAGGTGAGCTCACAGCAAAACAAGCCATGAGAGCTGCGGTGCTC 60
DB 44 TTGTTTGAAGGTGAGCTCACAGCAAAACAAGCCATGAGAGCTGCGGTGCTC 103
QY 61 CTGCTGTCACGCTGCGCTCTGCTGTACCAAGCCCAATGCGAGTTTCCAGCTCTT 120
DB 104 CTGCTGTCACGCTGCGCTCTGCTGTACCAAGCCCAATGCGAGTTTCCAGCTCTT 163
QY 121 GTTTCGAGCTGTAGACTCTTCTTATTAAGTGAACCTGTGTTCAAGTTAAGTCTTGC 180
DB 164 GTTTCGAGCTGTAGACTCTTCTTATTAAGTGAACCTGTGTTCAAGTTAAGTCTTGC 223
QY 181 AAATTGATGCCCTCCGGAAGCTGTGCAAGCCCAAGTTAGAGTGAAGATGACAGAT 240
DB 224 AAATTGATGCCCTCCGGAAGCTGTGCAAGCCCAAGTTAGAGTGAAGATGACAGAT 283
QY 241 CAGATGCCCTTCGGAAGCAAGCTCATGCGGAAGTCTGTGTAATAATTGAAGAA 300
DB 284 CAGATGCCCTTCGGAAGCAAGCTCATGCGGAAGTCTGTGTAATAATTGAAGAA 343
QY 301 TGTAGTGTGACATGTAAAACTTTCATCTGTTTCCACTGTCTTCAATGACACCT 360
DB 344 TGTAGTGTGACATGTAAAACTTTCATCTGTTTCCACTGTCTTCAATGACACCT 403
QY 361 GATTTCACTGCAAGATGTAAGTTTCAACGCTTCTTAATTAATCACTTGTCTCC 420
DB 404 GATTTCACTGCAAGATGTAAGTTTCAACGCTTCTTAATTAATCACTTGTCTTAC 463

RESULT 12
US-10-096-319-10
Sequence 10, Application US/10096319
Publication No. US20030170246A1
GENERAL INFORMATION:
APPLICANT: Fanger, Gary R.
APPLICANT: Houghton, Raymond L.
APPLICANT: Dillon, Davin C.
APPLICANT: Carter, Derrick
APPLICANT: Persing, David H.
TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
FILE REFERENCE: 210121.498C2
CURRENT APPLICATION NUMBER: US/10/096,319
CURRENT FILING DATE: 2002-03-12
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 10
LENGTH: 463
TYPE: DNA
ORGANISM: Homo sapiens
US-10-096-319-10

Query Match 96.0%; Score 418.4; DB 14; Length 463;
Best Local Similarity 99.8%; Pred. No. 1.2e-123;
Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGTTTGAAGGTGAGCTCACAGCAAAACAAGCCATGAGAGCTGCGGTGCTC 60
DB 44 TTGTTTGAAGGTGAGCTCACAGCAAAACAAGCCATGAGAGCTGCGGTGCTC 103
QY 61 CTGCTGTCACGCTGCGCTCTGCTGTACCAAGCCCAATGCGAGTTTCCAGCTCTT 120

Db 104 CTGCTGACGCTGCGCCCTCTGCTGCTACAGGCGCAATGCGGTTCTGCGCCAGCTCTT 163
 QY 121 GTTTCGAGCTGTAGACTCTTCTTCAATAGTGAACCTCTGTTCAAGTTAAGCTTGC 180
 Db 164 GTTTCGAGCTGTAGACTCTTCTTCAATAGTGAACCTCTGTTCAAGTTAAGCTTGC 223
 QY 181 AATTGATGCCCTCCGGAAGCTTTGACGCAAGTTAGAGTGAAGATGACGAT 240
 Db 224 AATTGATGCCCTCCGGAAGCTTTGACGCAAGTTAGAGTGAAGATGACGAT 283
 QY 241 CAGATGCTCCCTCAGAAAGCAAGCTCTCATTTGGGAGTCTGTGGAATAATTTGAAGAA 300
 Db 284 CAGATGCTCCCTCAGAAAGCAAGCTCTCATTTGGGAGTCTGTGGAATAATTTGAAGAA 343
 QY 301 TGTAGTGTGACATGTAAAAAATTCAATCTGCTTCACTGCTTTCAATGACACCT 360
 Db 344 TGTAGTGTGACATGTAAAAAATTCAATCTGCTTCACTGCTTTCAATGACACCT 403
 QY 361 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTGTGTTAATTAATCACTGCTTCC 420
 Db 404 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTGTGTTAATTAATCACTGCTTCC 463

RESULT 13

US-10-033-527-76
 ; Sequence 76, Application US/10033527
 ; Publication No. US20030170631A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Dillon, David C.
 ; APPLICANT: Molesh, David A.
 ; APPLICANT: Xu, Jianshun
 ; APPLICANT: Zehentner, Barbara
 ; APPLICANT: Persing, David H.
 ; TITLE OF INVENTION: METHODS, COMPOSITIONS AND KITS FOR THE DETECTION
 ; TITLE OF INVENTION: AND MONITORING OF BREAST CANCER
 ; FILE REFERENCE: 210121.5131
 ; CURRENT APPLICATION NUMBER: US/10/033,527
 ; CURRENT FILING DATE: 2001-10-27
 ; NUMBER OF SEQ ID NOS: 77
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 76
 ; LENGTH: 463
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-033-527-76

Query Match 96.0%; Score 418.4; DB 14; Length 463;

Best Local Similarity 99.8%; Pred. No. 1,2e-123; Indels 0; Gaps 0;

Matches 419; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGTTTGTGAAAGCTGAGCTCAAGCAAAACAGCCACATGAGCTGTGTGTCTC 60
 Db 44 TTGTTTGTGAAAGCTGAGCTCAAGCAAAACAGCCACATGAGCTGTGTGTCTC 103
 QY 61 CTGCTGTCACGCTGCGCCCTCTGCTGCTACAGGCGCAATGCGGATTTGCCAGCTCTT 120
 Db 104 CTGCTGTCACGCTGCGCCCTCTGCTGCTACAGGCGCAATGCGGATTTGCCAGCTCTT 163
 QY 121 GTTTCGAGCTGTAGACTCTTCTTCAATAGTGAACCTCTGTTCAAGTTAAGCTTGC 180
 Db 164 GTTTCGAGCTGTAGACTCTTCTTCAATAGTGAACCTCTGTTCAAGTTAAGCTTGC 223
 QY 181 AATTGATGCCCTCCGGAAGCTTTGACGCAAGTTAGAGTGAAGATGACGAT 240
 Db 224 AATTGATGCCCTCCGGAAGCTTTGACGCAAGTTAGAGTGAAGATGACGAT 283
 QY 241 CAGATGCTCCCTCAGAAAGCAAGCTCTCATTTGGGAGTCTGTGGAATAATTTGAAGAA 300
 Db 284 CAGATGCTCCCTCAGAAAGCAAGCTCTCATTTGGGAGTCTGTGGAATAATTTGAAGAA 343
 QY 301 TGTAGTGTGACATGTAAAAAATTCAATCTGCTTCACTGCTTTCAATGACACCT 360

Db 344 TGTAGTGTGACATGTAAAAAATTCAATCTGCTTCACTGCTTTCAATGACACCT 403
 QY 361 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTGTGTTAATTAATCACTGCTTCC 420
 Db 404 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTGTGTTAATTAATCACTGCTTCC 463

RESULT 14

US-09-778-320-85/c
 ; Sequence 85, Application US/09778320
 ; Patent No. US20010034052A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dillon, David C.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Jiang, Yugu
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Mitchenham, Jennifer
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: McNeill, Patricia D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
 ; FILE REFERENCE: 210121.491C5
 ; CURRENT APPLICATION NUMBER: US/09/778,320
 ; CURRENT FILING DATE: 2001-02-06
 ; NUMBER OF SEQ ID NOS: 301
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 85
 ; LENGTH: 500
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)...(500)
 ; OTHER INFORMATION: n = A,T,C or G
 US-09-778-320-85

Query Match 94.4%; Score 411.6; DB 9; Length 500;

Best Local Similarity 98.6%; Pred. No. 1.9e-121; Indels 0; Gaps 0;

Matches 414; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 TTGTTTGTGAAAGCTGAGCTCAAGCAAAACAGCCACATGAGCTGTGTGTCTC 60
 Db 420 TTGTTTGTGAAAGCTGAGCTCAAGCAAAACAGCCACATGAGCTGTGTGTCTC 361
 QY 61 CTGCTGTCACGCTGCGCCCTCTGCTGCTACAGGCGCAATGCGGATTTGCCAGCTCTT 120
 Db 360 CTGCTGTCACGCTGCGCCCTCTGCTGCTACAGGCGCAATGCGGATTTGCCAGCTCTT 301
 QY 121 GTTTCGAGCTGTAGACTCTTCTTCAATAGTGAACCTCTGTTCAAGTTAAGCTTGC 180
 Db 300 GTTTCGAGCTGTAGACTCTTCTTCAATAGTGAACCTCTGTTCAAGTTAAGCTTGC 241
 QY 181 AATTGATGCCCTCCGGAAGCTTTGACGCAAGTTAGAGTGAAGATGACGAT 240
 Db 240 AATTGATGCCCTCCGGAAGCTTTGACGCAAGTTAGAGTGAAGATGACGAT 181
 QY 241 CAGATGCTCCCTCAGAAAGCAAGCTCTCATTTGGGAGTCTGTGGAATAATTTGAAGAA 300
 Db 180 CAGATGCTCCCTCAGAAAGCAAGCTCTCATTTGGGAGTCTGTGGAATAATTTGAAGAA 121
 QY 301 TGTAGTGTGACATGTAAAAAATTCAATCTGCTTCACTGCTTTCAATGACACCT 360
 Db 120 TGTAGTGTGACATGTAAAAAATTCAATCTGCTTCACTGCTTTCAATGACACCT 61
 QY 361 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTGTGTTAATTAATCACTGCTTCC 420
 Db 60 GATCTTCACTGCAAGATGTAAAGTTTCAAGCTTGTGTTAATTAATCACTGCTTCC 1

RESULT 15

US-09-910-689-85/c
 ; Sequence 85, Application US/09910689


```
/ Patent No. US20020081609A1
/ GENERAL INFORMATION:
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Day, Craig H.
/ APPLICANT: Jiang, Yudiu
/ APPLICANT: Houghton, Raymond L.
/ APPLICANT: Mitcham, Jennifer
/ APPLICANT: Wang, Tongrong
/ APPLICANT: McNeill, Patricia D.
/ APPLICANT: Harlocker, Susan L.
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
/ FILE REFERENCE: 210121.491C6
/ CURRENT APPLICATION NUMBER: US/09/910,689
/ NUMBER OF SEQ ID NOS: 307
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 85
/ LENGTH: 500
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 9, 44, 494
/ OTHER INFORMATION: n = A,T,C or G
US-09-910-689-85
```

```
Query Match      94.4%; Score 411.6; DB 9; Length 500;
Best Local Similarity 98.6%; Pred. No. 1.9e-121;
Matches 414; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 TTGTTGTAAGCTGAGCTCAGACAAACAGCCACCATGAAAGCTGCGTGTCTC 60
DB 420 TTGTTGTAAGCTGAGCTCAGACAAACAGCCACCATGAAAGCTGCGTGTCTC 361

QY 61 CTGCTGCTAGAGCTGCGCCCTCTGCTGCTACGAGCCAAAGCCAGTTCTGCCGAGCTCT 120
DB 360 CTGCTGCTAGAGCTGCGCCCTCTGCTGCTACGAGCCAAAGCCAGTTCTGCCGAGCTCT 301

QY 121 GTTCTGAGCTGTAGACTTCTTCTTCATTAGTAGAAGCTGTGTCAAGTTAAGTTGCC 180
DB 300 GTTCTGAGCTGTAGACTTCTTCTTCATTAGTAGAAGCTGTGTCAAGTTAAGTTGCC 241

QY 181 AAATTGATGCCCCCTCCGGAAGCTGTGAGCCAAAGTAGAGTAGAGATGACAGGAT 240
DB 240 AAATTGATGCCCCCTCCGGAAGCTGTGAGCCAAAGTAGAGTAGAGATGACAGGAT 181

QY 241 CAGATGTCCTTCAGAAAGCAAGCCATTGCGGAAGTCTGTGAAAATATTGAAGAA 300
DB 180 CAGATGTCCTTCAGAAAGCAAGCCATTGCGGAAGTCTGTGAAAATATTGAAGAA 121

QY 301 TGTAGTGTGTGACATGATAAACTTTCATCCCTGCTTTCAGCTGCTTTCAATGACACCT 360
DB 120 TGTAGTGTGTGACATGATAAACTTTCATCCCTGCTTTCAGCTGCTTTCAATGACACCT 61

QY 361 GATCTTCAGCTGAGAAATGTAAGTTTCAAGCTGTGCTTAATAATCACTGCTCTCC 420
DB 60 GATCTTCAGCTGAGAAATGTAAGTTTCAAGCTGTGCTTAATAATCACTGCTCTCC 1
```

Search completed: March 14, 2004, 15:32:21
Job time : 309 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 11, 2004, 17:44:16 / Search time 34 Seconds
(without alignments)

558.935 Million cell updates/sec

Title: US-09-806-301-2

Sequence: 1 MKLSVCLLVLTALCCYQAN.....IQKSLIAEVLYKIKCSV 90

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database:

Published Applications AA:*
1: /cgn2_6/prodata/1/pubppa/US07_PUBCOMB.pep:*
2: /cgn2_6/prodata/1/pubppa/US06_NEW_PUB.pep:*
3: /cgn2_6/prodata/1/pubppa/US06_PUBCOMB.pep:*
4: /cgn2_6/prodata/1/pubppa/US07_NEW_PUB.pep:*
5: /cgn2_6/prodata/1/pubppa/US07_PUBCOMB.pep:*
6: /cgn2_6/prodata/1/pubppa/US08_NEW_PUB.pep:*
7: /cgn2_6/prodata/1/pubppa/US08_PUBCOMB.pep:*
8: /cgn2_6/prodata/1/pubppa/US09_PUBCOMB.pep:*
9: /cgn2_6/prodata/1/pubppa/US09_PUBCOMB.pep:*
10: /cgn2_6/prodata/1/pubppa/US09_PUBCOMB.pep:*
11: /cgn2_6/prodata/1/pubppa/US09_PUBCOMB.pep:*
12: /cgn2_6/prodata/1/pubppa/US09_PUBCOMB.pep:*
13: /cgn2_6/prodata/1/pubppa/US10_PUBCOMB.pep:*
14: /cgn2_6/prodata/1/pubppa/US10_PUBCOMB.pep:*
15: /cgn2_6/prodata/1/pubppa/US10_PUBCOMB.pep:*
16: /cgn2_6/prodata/1/pubppa/US10_NEW_PUB.pep:*
17: /cgn2_6/prodata/1/pubppa/US10_PUBCOMB.pep:*
18: /cgn2_6/prodata/1/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	450	100.0	90	9 US-09-825-301-77	Sequence 27, Appl
2	450	100.0	90	9 US-09-110-716-29	Sequence 29, Appl
3	450	100.0	90	9 US-09-934-054-1	Sequence 1, Appl
4	450	100.0	90	9 US-09-985-911-4	Sequence 4, Appl
5	450	100.0	90	10 US-09-975-502A-6	Sequence 6, Appl
6	450	100.0	90	10 US-09-905-673-2	Sequence 2, Appl
7	450	100.0	90	10 US-09-905-673-35	Sequence 35, Appl
8	450	100.0	90	14 US-10-097-340-181	Sequence 181, App
9	450	100.0	90	14 US-10-177-293-272	Sequence 272, App
10	450	100.0	90	14 US-10-096-319-2	Sequence 2, Appl
11	450	100.0	90	14 US-10-096-319-35	Sequence 35, Appl
12	450	100.0	90	14 US-10-033-527-77	Sequence 77, Appl
13	450	100.0	120	15 US-10-131-410-137	Sequence 137, App
14	450	100.0	182	15 US-09-905-673-61	Sequence 61, Appl
15	450	100.0	182	14 US-10-096-319-61	Sequence 61, Appl

16	447	99.3	90	10 US-09-905-673-36	Sequence 36, Appl
17	447	99.3	90	14 US-10-096-319-36	Sequence 36, Appl
18	445	98.9	90	10 US-09-905-673-41	Sequence 41, Appl
19	445	98.9	90	14 US-10-096-319-41	Sequence 41, Appl
20	445	98.9	182	10 US-09-905-673-60	Sequence 60, Appl
21	445	98.9	182	14 US-10-096-319-60	Sequence 60, Appl
22	440	97.8	90	10 US-09-905-673-40	Sequence 40, Appl
23	440	97.8	90	14 US-10-096-319-40	Sequence 40, Appl
24	436	96.9	90	14 US-09-905-673-37	Sequence 37, Appl
25	436	96.9	90	14 US-10-096-319-37	Sequence 37, Appl
26	435	96.7	90	14 US-09-905-673-39	Sequence 39, Appl
27	435	96.7	90	14 US-10-096-319-39	Sequence 39, Appl
28	433	96.2	90	10 US-09-905-673-42	Sequence 42, Appl
29	433	96.2	90	14 US-10-096-319-42	Sequence 42, Appl
30	417	92.7	88	10 US-09-905-673-38	Sequence 38, Appl
31	417	92.7	88	14 US-10-096-319-38	Sequence 38, Appl
32	342	76.0	69	9 US-09-110-716-37	Sequence 37, Appl
33	342	76.0	145	10 US-09-905-673-62	Sequence 62, Appl
34	342	76.0	145	10 US-09-905-673-63	Sequence 63, Appl
35	342	76.0	145	14 US-10-096-319-62	Sequence 62, Appl
36	342	76.0	145	14 US-10-096-319-63	Sequence 63, Appl
37	277	61.6	90	9 US-09-985-911-2	Sequence 2, Appl
38	268	59.6	90	9 US-09-110-716-27	Sequence 27, Appl
39	254	56.4	102	14 US-10-263-828-125	Sequence 125, App
40	246	54.7	50	9 US-09-864-761-442A0	Sequence 442A0, A
41	238	52.9	83	9 US-09-989-723-260	Sequence 260, App
42	238	52.9	83	9 US-09-989-723-260	Sequence 260, App
43	238	52.9	83	9 US-09-989-727-260	Sequence 260, App
44	238	52.9	83	9 US-09-989-731-260	Sequence 260, App
45	238	52.9	83	9 US-09-989-731-260	Sequence 260, App

ALIGNMENTS

RESULT 1
US-09-825-301-77
Sequence 77, Application US/09825301
Patent No. US20020009738A1
GENERAL INFORMATION:
APPLICANT: Houghton, Raymond L.
APPLICANT: Dillon, David C.
APPLICANT: Molesn, David A.
APPLICANT: Xu, Jianshun
APPLICANT: Zehentner, Barbara
TITLE OF INVENTION: METHODS, COMPOSITIONS AND KITS FOR THE DETECTION
TITLE OF INVENTION: AND MONITORING OF BREAST CANCER
FILE REFERENCE: 210121.513
CURRENT APPLICATION NUMBER: US/09/825,301
CURRENT FILING DATE: 2001-04-02
NUMBER OF SEQ ID NOS: 77
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 77
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-09-825-301-77

Query Match 100.0%; Score 450; DB 9; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAFPAVSEHLDFFISSEPLFKLSLAKFPAPPAVAKL 60
DB 1 MKLSVCLLVLTALCCYQANAFPAVSEHLDFFISSEPLFKLSLAKFPAPPAVAKL 60
QY 61 GVRKCTDOMSLOKRSLLAEVLYKIKKCSV 90
DB 61 GVRKCTDOMSLOKRSLLAEVLYKIKKCSV 90
RESULT 2

US-09-110-716-29
 ; Sequence 29, Application US/09110716A
 ; Patent No. US20020034739A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lehrer, Robert I.
 ; APPLICANT: Zhao, Chengquan
 ; APPLICANT: Glasgow, Benjamin J.
 ; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
 ; FILE REFERENCE: 22000-20596.00
 ; CURRENT APPLICATION NUMBER: US/09/110.716A
 ; CURRENT FILING DATE: 1998-07-07
 ; NUMBER OF SEQ ID NOS: 41
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 29
 ; LENGTH: 90
 ; TYPE: PRT
 ; ORGANISM: lipophilin B
 ; US-09-110-716-29

Query Match 100.0%; Score 450; DB 9; Length 90;
 Best Local Similarity 100.0%; Pred. No. 3.9e-47;
 Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAACL 60
 DB 1 MKLSVCLLVLTALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAACL 60
 QY 61 GVKRCTDOMSLQKRSLSIAEVLVKILKCSV 90
 DB 61 GVKRCTDOMSLQKRSLSIAEVLVKILKCSV 90

RESULT 3
 US-09-934-054-1
 ; Sequence 1, Application US/09934054
 ; Patent No. US20020107385A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Akerdlow, Ingrid E.
 ; Hillman, Jennifer L.
 ; Murry, Lynn E.
 ; Goli, Surya K.
 ; Hawkins, Phillip R.
 ; TITLE OF INVENTION: BREAST TUMOR SPECIFIC PROTEINS
 ; NUMBER OF SEQUENCES: 13
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSES: Fish & Richardson P.C.
 ; STREET: 2200 Sand Hill Road, Suite 100
 ; CITY: Menlo Park
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94025-6936
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/934,054
 ; FILING DATE: 21-Aug-2001
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/747,547
 ; FILING DATE: <Unknown>
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Billings, Lucy J.
 ; REGISTRATION NUMBER: 36,749
 ; REFERENCE/DOCKET NUMBER: PF-0077 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (650) 855-0555
 ; TELEFAX: (650) 845-4166
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 90 amino acids
 ; TYPE: amino acid

STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: <Unknown>
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 ; US-09-934-054-1

Query Match 100.0%; Score 450; DB 9; Length 90;
 Best Local Similarity 100.0%; Pred. No. 3.9e-47;
 Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAACL 60
 DB 1 MKLSVCLLVLTALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAACL 60
 QY 61 GVKRCTDOMSLQKRSLSIAEVLVKILKCSV 90
 DB 61 GVKRCTDOMSLQKRSLSIAEVLVKILKCSV 90

RESULT 4
 US-09-985-911-4
 ; Sequence 4, Application US/09985911
 ; Patent No. US20020151012A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NI ET AL.
 ; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III
 ; FILE REFERENCE: PF257D3
 ; CURRENT APPLICATION NUMBER: US/09/985,911
 ; CURRENT FILING DATE: 2001-11-06
 ; PRIOR APPLICATION NUMBER: 09/583,169
 ; PRIOR FILING DATE: 2000-05-30
 ; PRIOR APPLICATION NUMBER: 09/263,810
 ; PRIOR FILING DATE: 1998-03-08
 ; PRIOR APPLICATION NUMBER: 08/821,451
 ; PRIOR FILING DATE: 1997-03-21
 ; PRIOR APPLICATION NUMBER: 60/014,724
 ; PRIOR FILING DATE: 1996-03-21
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 90
 ; TYPE: PRT
 ; ORGANISM: human
 ; US-09-985-911-4

Query Match 100.0%; Score 450; DB 9; Length 90;
 Best Local Similarity 100.0%; Pred. No. 3.9e-47;
 Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAACL 60
 DB 1 MKLSVCLLVLTALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAACL 60
 QY 61 GVKRCTDOMSLQKRSLSIAEVLVKILKCSV 90
 DB 61 GVKRCTDOMSLQKRSLSIAEVLVKILKCSV 90

RESULT 5
 US-09-975-502A-6
 ; Sequence 6, Application US/09975502A
 ; Publication No. US20030044859A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Abbott Laboratories
 ; APPLICANT: Henslee, Jerry G.
 ; APPLICANT: Friedman, Paula N.
 ; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
 ; DETECTING DISEASES OF THE BREAST
 ; FILE REFERENCE: 5972 US P7
 ; CURRENT APPLICATION NUMBER: US/09/975,502A
 ; CURRENT FILING DATE: 2002-06-10
 ; PRIOR APPLICATION NUMBER: US 09/467,602
 ; PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: US 09/215,818
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: US 08/912,276
PRIOR FILING DATE: 1997-08-15
PRIOR APPLICATION NUMBER: US 08/597,105
PRIOR FILING DATE: 1996-08-19
PRIOR APPLICATION NUMBER: US 08/912,149
PRIOR FILING DATE: 1997-08-15
PRIOR APPLICATION NUMBER: US 08/597,106
PRIOR FILING DATE: 1996-08-19
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-09-975-502A-6

Query Match 100.0%; Score 450; DB 10; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQNAEFCPALVSELDFFPISPLFKLSAKDPPEAVAAKL 60
DB 1 MKLSVCLLVTLALCCYQNAEFCPALVSELDFFPISPLFKLSAKDPPEAVAAKL 60
QY 61 GVKRCTDQMSLQKRSIAEVLVXILKKCSV 90
DB 61 GVKRCTDQMSLQKRSIAEVLVXILKKCSV 90

RESULT 6
US-09-905-673-2
Sequence 2, Application US/09905673
Publication No. US20030059432A1
GENERAL INFORMATION:
APPLICANT: DILLON, DAVIN C.
APPLICANT: FANGER, GARY R.
TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
FILE REFERENCE: 210121.498C1
CURRENT APPLICATION NUMBER: US/09/905,673
CURRENT FILING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 67
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-09-905-673-2

Query Match 100.0%; Score 450; DB 10; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQNAEFCPALVSELDFFPISPLFKLSAKDPPEAVAAKL 60
DB 1 MKLSVCLLVTLALCCYQNAEFCPALVSELDFFPISPLFKLSAKDPPEAVAAKL 60
QY 61 GVKRCTDQMSLQKRSIAEVLVXILKKCSV 90
DB 61 GVKRCTDQMSLQKRSIAEVLVXILKKCSV 90

RESULT 7
US-09-905-673-35
Sequence 35, Application US/09905673
Publication No. US20030059432A1
GENERAL INFORMATION:
APPLICANT: DILLON, DAVIN C.
APPLICANT: FANGER, GARY R.
TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
DIAGNOSIS AND THERAPY

FILE REFERENCE: 210121.498C1
CURRENT APPLICATION NUMBER: US/09/905,673
CURRENT FILING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 67
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 35
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-09-905-673-35

Query Match 100.0%; Score 450; DB 10; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQNAEFCPALVSELDFFPISPLFKLSAKDPPEAVAAKL 60
DB 1 MKLSVCLLVTLALCCYQNAEFCPALVSELDFFPISPLFKLSAKDPPEAVAAKL 60
QY 61 GVKRCTDQMSLQKRSIAEVLVXILKKCSV 90
DB 61 GVKRCTDQMSLQKRSIAEVLVXILKKCSV 90

RESULT 8
US-10-097-340-181
Sequence 181, Application US/10097340
Publication No. US20030087250A1
GENERAL INFORMATION:
APPLICANT: JOHN MONAHAN
APPLICANT: MANJULA GANNAVAPU
APPLICANT: SEBASTIAN HOERSCHE
APPLICANT: SHUBHANGI KAWATPAR
APPLICANT: STEVE G. KOVATS
APPLICANT: RACHEL E. MEYERS
APPLICANT: MICHAEL MORRISSEY
APPLICANT: PETER OLANDT
APPLICANT: AMI SEN
APPLICANT: PETER VEIBY
APPLICANT: GORDON B. WILLS
APPLICANT: ROBERT C. BAST, JR.
APPLICANT: KAREN LU
APPLICANT: ROSEMARIE SCHMANDT
APPLICANT: XUMEI ZHAO
APPLICANT: KAREN GLATT
TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
Assessment, Prevention, and Therapy Of Ovarian Cancer
FILE REFERENCE: MRI-030
CURRENT APPLICATION NUMBER: US/10/097,340
CURRENT FILING DATE: 2002-03-14
PRIOR APPLICATION NUMBER: 60/325,025
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/325,149
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/276,026
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/324,967
PRIOR FILING DATE: 2001/09/26
PRIOR APPLICATION NUMBER: 60/311,732
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/325,102
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/323,580
PRIOR FILING DATE: 2001-09-19
NUMBER OF SEQ ID NOS: 363
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 181
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-10-097-340-181

Query Match 100.0%; Score 450; DB 14; Length 90;

Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFISEPLFKLSIAKFDAPPEAVAAKL 60
Db 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFISEPLFKLSIAKFDAPPEAVAAKL 60

QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
Db 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 9
US-10-177-293-272
Sequence 272, Application US/10177293
Publication No. US20030124128A1

GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Zhao, Xumei
APPLICANT: Gannavarpu, Manjula
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Mertens, Maureen
APPLICANT: Meyer, Vic
APPLICANT: Wang, Youzhen
APPLICANT: Xu, Yongyao
APPLICANT: Hoersch, Sebastian
APPLICANT: Monahan, John
APPLICANT: Meyers, Rachel E.
APPLICANT: Baer Jr., Robert C.
APPLICANT: Hortobagyi, Gabriel N.
APPLICANT: Pusztai, Lajos
APPLICANT: Meric, Funda
APPLICANT: Sahin, Ayesgul
APPLICANT: Mills, Gordon B.
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
FILE REFERENCE: MRI-038
CURRENT APPLICATION NUMBER: US/10/177,293
CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US 60/299,887
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: US 60/301,572
PRIOR FILING DATE: 2001-06-27
PRIOR APPLICATION NUMBER: US 60/306,501
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: US 60/325,002
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US 60/362,585
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/xxx,xxx
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 506
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 272
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-10-177-293-272

Query Match 100.0%; Score 450; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFISEPLFKLSIAKFDAPPEAVAAKL 60
Db 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFISEPLFKLSIAKFDAPPEAVAAKL 60

QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
Db 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 10
US-10-096-319-2
Sequence 2, Application US/10096319
Publication No. US20030170246A1

GENERAL INFORMATION:
APPLICANT: Fanger, Gary R.
APPLICANT: Durham, Margarita
APPLICANT: Houghton, Raymond L.
APPLICANT: Dillon, David C.
APPLICANT: Carter, Derrick
APPLICANT: Persing, David H.
TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
TITLE OF INVENTION: DIAGNOSIS AND THERAPY
FILE REFERENCE: 210121.498C2
CURRENT APPLICATION NUMBER: US/10/096,319
CURRENT FILING DATE: 2002-03-12
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapien
US-10-096-319-2

Query Match 100.0%; Score 450; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFISEPLFKLSIAKFDAPPEAVAAKL 60
Db 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFISEPLFKLSIAKFDAPPEAVAAKL 60

QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
Db 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 11
US-10-096-319-35
Sequence 35, Application US/10096319
Publication No. US20030170246A1
GENERAL INFORMATION:
APPLICANT: Fanger, Gary R.
APPLICANT: Durham, Margarita
APPLICANT: Houghton, Raymond L.
APPLICANT: Dillon, David C.
APPLICANT: Carter, Derrick
APPLICANT: Persing, David H.
TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
TITLE OF INVENTION: DIAGNOSIS AND THERAPY
FILE REFERENCE: 210121.498C2
CURRENT APPLICATION NUMBER: US/10/096,319
CURRENT FILING DATE: 2002-03-12
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 35
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-10-096-319-35

Query Match 100.0%; Score 450; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFISEPLFKLSIAKFDAPPEAVAAKL 60
Db 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFISEPLFKLSIAKFDAPPEAVAAKL 60

QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
Db 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 12
US-10-033-527-77
; Sequence 77, Application US/10033527
; Publication No. US20030170631A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, David C.
; APPLICANT: Molesh, David A.
; APPLICANT: Xu, Jianshun
; APPLICANT: Zehentner, Barbara
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: METHODS, COMPOSITIONS AND KITS FOR THE DETECTION
; TITLE OF INVENTION: AND MONITORING OF BREAST CANCER
; FILE REFERENCE: 210121.513C1
; CURRENT APPLICATION NUMBER: US/10/033,527
; CURRENT FILING DATE: 2001-10-27
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 77
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-033-527-77

Query Match 100.0%; Score 450; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 3.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MKLSVCLLVTLALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKPDAPPAVAATL 60
DB 1 MKLSVCLLVTLALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKPDAPPAVAATL 60
QY 61 GVRCTDQMSLQKRSLLAEVLVKILKCSV 90
DB 61 GVRCTDQMSLQKRSLLAEVLVKILKCSV 90

RESULT 13
US-10-131-410-137
; Sequence 137, Application US/10131410
; Publication No. US20030235915A1
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKY, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
; TITLE OF INVENTION: TUMORS
; FILE REFERENCE: SCH-1763
; CURRENT APPLICATION NUMBER: US/10/131,410
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 09/646,673
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: PCT/DE99/00908
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 202
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 137
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-131-410-137

Query Match 100.0%; Score 450; DB 15; Length 120;
Best Local Similarity 100.0%; Pred. No. 5.4e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MKLSVCLLVTLALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKPDAPPAVAATL 60
DB 31 MKLSVCLLVTLALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKPDAPPAVAATL 90

QY 61 GVRCTDQMSLQKRSLLAEVLVKILKCSV 90
DB 91 GVRCTDQMSLQKRSLLAEVLVKILKCSV 120

RESULT 14
US-09-905-673-61
; Sequence 61, Application US/09905673
; Publication No. US20030059432A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, David C.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; TITLE OF INVENTION: DIAGNOSIS AND THERAPY
; FILE REFERENCE: 210121.498C1
; CURRENT APPLICATION NUMBER: US/09/905,673
; CURRENT FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 61
; LENGTH: 182
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-905-673-61

Query Match 100.0%; Score 450; DB 10; Length 182;
Best Local Similarity 100.0%; Pred. No. 8.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MKLSVCLLVTLALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKPDAPPAVAATL 60
DB 1 MKLSVCLLVTLALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKPDAPPAVAATL 60
QY 61 GVRCTDQMSLQKRSLLAEVLVKILKCSV 90
DB 61 GVRCTDQMSLQKRSLLAEVLVKILKCSV 90

RESULT 15
US-10-096-319-61
; Sequence 61, Application US/10096319
; Publication No. US20030170246A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Durham, Margarita
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, David C.
; APPLICANT: Carter, David K.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; TITLE OF INVENTION: DIAGNOSIS AND THERAPY
; FILE REFERENCE: 210121.498C2
; CURRENT APPLICATION NUMBER: US/10/096,319
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 61
; LENGTH: 182
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-096-319-61

Query Match 100.0%; Score 450; DB 14; Length 182;
Best Local Similarity 100.0%; Pred. No. 8.9e-47;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MKLSVCLLVTLALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKPDAPPAVAATL 60
DB 1 MKLSVCLLVTLALCCYQANAEPCPALVSELDFFFISEPLFKLSLAKPDAPPAVAATL 60
QY 61 GVRCTDQMSLQKRSLLAEVLVKILKCSV 90

Mon Mar 15 09:44:24 2004

us-09-806-301-2.rapb

Page 6

Db 61 GYKCTDQMSLOKRSIAEYVYKILKCSV 90

Search completed: March 11, 2004, 17:50:03
Job time : 35 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 11, 2004, 17:39:30 ; Search time 22 Seconds
(without alignments)
211.197 Million cell updates/sec

Title: US-09-806-301-2

Perfect score: 450

Sequence: 1 MGLSVCLLVLTALCCYQAN.....LGRSLIAEVLYKIKKGV 90

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database:

Issued Patents AA:*
1: /cgn2_6/prodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/prodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/prodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/prodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/prodata/2/iaa/6C_COMB.pep:*
6: /cgn2_6/prodata/2/iaa/backfill1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	450	100.0	90	3	US-08-821-451A-4
2	450	100.0	90	3	US-09-263-810-4
3	450	100.0	90	3	US-08-912-276-15
4	450	100.0	90	4	US-09-583-169-4
5	450	100.0	90	4	US-09-215-818-6
6	450	100.0	90	4	US-09-467-602A-6
7	342	76.0	69	3	US-08-912-276-23
8	277	61.6	90	3	US-08-821-451A-2
9	277	61.6	90	3	US-09-263-810-2
10	277	61.6	90	4	US-09-583-169-2
11	244	54.2	79	4	US-09-673-395A-200
12	219	48.7	45	3	US-08-912-276-22
13	202	44.9	90	3	US-08-821-451A-25
14	202	44.9	90	3	US-08-821-451A-26
15	202	44.9	90	3	US-09-263-810-25
16	202	44.9	90	3	US-09-263-810-26
17	202	44.9	90	4	US-09-583-169-25
18	202	44.9	90	4	US-09-583-169-26
19	202	44.9	91	1	US-08-455-896-6
20	110	24.4	91	2	US-08-933-149-8
21	110	24.4	91	2	US-09-082-343-8
22	110	24.4	91	3	US-09-082-343-8
23	110	24.4	91	4	US-08-987-505-1
24	110	24.4	91	4	US-09-162-622-8
25	110	24.4	91	4	US-09-509-015-8
26	110	24.4	91	5	PCT-US96-08235-8
27	101	22.4	22	3	US-08-912-276-21

28	80	17.8	15	3	US-08-912-276-16	Sequence 16, Appl
29	75.5	16.8	93	2	US-08-964-725-14	Sequence 14, Appl
30	75	16.7	15	3	US-08-912-276-19	Sequence 19, Appl
31	73	16.2	16	3	US-08-912-276-18	Sequence 18, Appl
32	72	16.0	16	3	US-08-912-276-17	Sequence 17, Appl
33	70	15.6	109	1	US-07-662-193-5	Sequence 5, Appl
34	70	15.6	109	3	US-08-300-928C-8	Sequence 8, Appl
35	70	15.6	109	3	US-08-430-944D-8	Sequence 8, Appl
36	70	15.6	109	3	US-08-430-014-8	Sequence 8, Appl
37	70	15.6	109	3	US-08-431-184-8	Sequence 8, Appl
38	69	15.3	1621	3	US-08-972-927-3	Sequence 3, Appl
39	66.5	14.8	224	1	US-08-287-959-6	Sequence 6, Appl
40	66.5	14.7	3079	5	PCT-US94-00198-4	Sequence 4, Appl
41	66	14.7	16	3	US-08-912-276-20	Sequence 20, Appl
42	62	13.8	109	1	US-07-807-529A-6	Sequence 6, Appl
43	62	13.8	109	5	PCT-US93-02462-6	Sequence 6, Appl
44	62	13.8	111	1	US-07-662-193-4	Sequence 4, Appl
45	62	13.8	111	3	US-08-300-928C-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1
US-08-821-451A-4
Sequence 4, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MILLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF2577)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-4
Query Match 100.0%; Score 450; DB 3; Length 90;
Best Local Similarity 100.0%; Pred. No. 4.9e+45;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MGLSVCLLVLTALCCYQANAFPCPALVSELDPPFISEPLFKSLAKFADAPPAVAKL 60

DB 1 MKLSVCLLVLTALCCYQANAEFCPLVSELDPFFISSEPLFKLSLAKPDAPPEAVAAKL 60

QY 61 GVKRCTDOMSLOKRSLSIAEVLVKILKCSV 90

DB 61 GVKRCTDOMSLOKRSLSIAEVLVKILKCSV 90

RESULT 2

US-09-263-810-4

Sequence 4, Application US/09263810

Patent No. 6174992

GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-liang Yu and Reiner Gentz

TITLE OF INVENTION: Human Endometrial Specific Steroid-

TITLE OF INVENTION: Binding Factor I, II and III

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESSES:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

STREET: 6 BECKER FARM ROAD

CITY: ROSELAND

STATE: NEW JERSEY

COUNTRY: USA

ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/263,810

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/821,451

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: MULINS, J.G.

REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (PF257)

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 90 AMINO ACIDS

TYPE: AMINO ACID

STRANDEDNESS:

TOPOLOGY: LINEAR

MOLECULE TYPE: PROTEIN

US-09-263-810-4

Query Match 100.0%; Score 450; DB 3; Length 90;

Best Local Similarity 100.0%; Pred. No. 4.9e-49;

Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPLVSELDPFFISSEPLFKLSLAKPDAPPEAVAAKL 60

DB 1 MKLSVCLLVLTALCCYQANAEFCPLVSELDPFFISSEPLFKLSLAKPDAPPEAVAAKL 60

QY 61 GVKRCTDOMSLOKRSLSIAEVLVKILKCSV 90

DB 61 GVKRCTDOMSLOKRSLSIAEVLVKILKCSV 90

RESULT 3

US-08-912-276-15

Sequence 15, Application US/08912276

Patent No. 6183952

GENERAL INFORMATION:

APPLICANT: Billing-Medel, Patricia A.

APPLICANT: Cohen, Maurice

APPLICANT: Colpitts, Tracey L.

APPLICANT: Friedman, Paula N.

APPLICANT: Gordon, Julian

APPLICANT: Granados, Edward N.

APPLICANT: Hodges, Steven C.

APPLICANT: Klass, Michael R.

APPLICANT: Kratochvil, Jon D.

APPLICANT: Roberts-Rapp, Lisa

APPLICANT: Russell, John C.

APPLICANT: Stroupe, Steven D.

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST

NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road

CITY: Abbott Park

STATE: IL

COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: Fastseq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/912,276

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L

REGISTRATION NUMBER: 35,441

REFERENCE/DOCKET NUMBER: 5972.US.P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/935-1729

TELEFAX: 847/938-2623

TELEX:

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 90 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: No. 6183952e

US-08-912-276-15

Query Match 100.0%; Score 450; DB 3; Length 90;

Best Local Similarity 100.0%; Pred. No. 4.9e-49;

Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPLVSELDPFFISSEPLFKLSLAKPDAPPEAVAAKL 60

DB 1 MKLSVCLLVLTALCCYQANAEFCPLVSELDPFFISSEPLFKLSLAKPDAPPEAVAAKL 60

QY 61 GVKRCTDOMSLOKRSLSIAEVLVKILKCSV 90

DB 61 GVKRCTDOMSLOKRSLSIAEVLVKILKCSV 90

RESULT 4

US-09-583-169-4

Sequence 4, Application US/09583169

Patent No. 638948

GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-liang Yu and Reiner Gentz

TITLE OF INVENTION: Human Endometrial Specific Steroid-

TITLE OF INVENTION: Binding Factor I, II and III

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESSES:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER PARK ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/583,169
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-09-583-169-4

Query Match 100.0%; Score 450; DB 4; Length 90;
Best Local Similarity 100.0%; Pred. No. 4,9e-49;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFFISSPLFKLSIAKDPAPPAVAKL 60
DB 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFFISSPLFKLSIAKDPAPPAVAKL 60

QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 5
US-09-215-818-6
Sequence 6, Application US/09215818A
Patent No. 6379671
GENERAL INFORMATION:
APPLICANT: Colpitts, Tracey
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
FILE REFERENCE: 5972.US.P2
CURRENT APPLICATION NUMBER: US/09/215,818A
FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: 08/912,276
EARLIER FILING DATE: 1997-08-17
EARLIER APPLICATION NUMBER: 08/697,105
EARLIER FILING DATE: 1996-08-19
EARLIER APPLICATION NUMBER: 08/912,149
EARLIER FILING DATE: 1997-08-15
EARLIER APPLICATION NUMBER: 08/697,106
EARLIER FILING DATE: 1996-08-19
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 6
LENGTH: 90
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-215-818-6

Query Match 100.0%; Score 450; DB 4; Length 90;
Best Local Similarity 100.0%; Pred. No. 4,9e-49;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFFISSPLFKLSIAKDPAPPAVAKL 60
DB 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFFISSPLFKLSIAKDPAPPAVAKL 60

QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 6
US-09-467-602A-6
Sequence 6, Application US/09467602A
Patent No. 653164
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Colpitts, Tracey L.
APPLICANT: Russell, John C.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
FILE REFERENCE: 5972.US.P5
CURRENT APPLICATION NUMBER: US/09/467,602A
FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: US 08/215,818
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: US 08/912,276
PRIOR FILING DATE: 1997-08-17
PRIOR APPLICATION NUMBER: US 08/697,105
PRIOR FILING DATE: 1996-08-19
PRIOR APPLICATION NUMBER: US 08/912,149
PRIOR FILING DATE: 1997-08-15
PRIOR APPLICATION NUMBER: US 08/697,106
PRIOR FILING DATE: 1996-08-19
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 90
TYPE: PRT
ORGANISM: Homo sapiens
US-09-467-602A-6

Query Match 100.0%; Score 450; DB 4; Length 90;
Best Local Similarity 100.0%; Pred. No. 4,9e-49;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFFISSPLFKLSIAKDPAPPAVAKL 60
DB 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFFISSPLFKLSIAKDPAPPAVAKL 60

QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 7
US-08-912-276-23
Sequence 23, Application US/08912276
Patent No. 6183952
GENERAL INFORMATION:
APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colpitts, Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Gordon, Julian
APPLICANT: Granados, Edward N.
APPLICANT: Hodges, Steven C.
APPLICANT: Klaess, Michael R.
APPLICANT: Kratochvil, Jon D.
APPLICANT: Roberts-Rapp, Lisa

APPLICANT: Russell, John C.
APPLICANT: Stroupe, Steven D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972-US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 69 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6183952e
US-08-912-276-23

Query Match 76.0%; Score 342; DB 3; Length 69;
Best Local Similarity 100.0%; Pred. No. 1.2e-35;
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 EFCPALVSELDDFFISPLPLSLAKFDAPPEVAATLGVKCTDQMSLQKSLIAEVL 81
DB 1 EFCPALVSELDDFFISPLPLSLAKFDAPPEVAATLGVKCTDQMSLQKSLIAEVL 60

QY 82 VKILKKGV 90
DB 61 VKILKKGV 69

RESULT 8
US-08-821-451A-2
Sequence 2, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: Jjian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSER: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-2

Query Match 61.6%; Score 277; DB 3; Length 90;
Best Local Similarity 58.9%; Pred. No. 2.2e-27;
Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

QY 1 MCLSVCLLVLTALCCYQANAEFCPALVSELDDFFISPLPLSLAKFDAPPEVAATL 60
DB 1 MCLSVCLLVLTALCCYQANAEFCPALVSELDDFFISPLPLSLAKFDAPPEVAATL 60

QY 61 GVKRCTDQMSLQKSLIAEVLVKILKKGV 90
DB 61 EVYHCTDQISFKRLSLKVLVEIVKCGV 90

RESULT 9
US-09-263-810-2
Sequence 2, Application US/09263810
Patent No. 6174992
GENERAL INFORMATION:
APPLICANT: Jjian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSER: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,810
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-09-263-810-2

Query Match 61.6%; Score 277; DB 3; Length 90;
Best Local Similarity 58.9%; Pred. No. 2, 2e-27;
Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

QY 1 MRLSVCLLVTLALCCYQANAEPCPALVSELDFFRISPLFKLSLAFDAPPEAVAAKL 60
DB 1 MRLSVCLLVWSLALCCYQAHALVCPAVASEITVFLPSDAVNLQVAKLNPPPEALAAKL 60

QY 61 GVRKCTDQMSLQKRSLSIAEVLVKILKCSV 90
DB 61 EVHGCTDQISFKRLSLSEKVLVEIVKCGV 90

RESULT 10
US-09-583-169-2
Sequence 2, Application US/09583169
Patent No. 6338948

GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSES: CARELLA, BYRNE, BAIN, GILFILLIAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/583,169
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-09-583-169-2

Query Match 61.6%; Score 277; DB 4; Length 90;
Best Local Similarity 58.9%; Pred. No. 2, 2e-27;
Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

QY 1 MRLSVCLLVTLALCCYQANAEPCPALVSELDFFRISPLFKLSLAFDAPPEAVAAKL 60
DB 1 MRLSVCLLVWSLALCCYQAHALVCPAVASEITVFLPSDAVNLQVAKLNPPPEALAAKL 60
QY 61 GVRKCTDQMSLQKRSLSIAEVLVKILKCSV 90
DB 61 EVHGCTDQISFKRLSLSEKVLVEIVKCGV 90

RESULT 11
US-09-673-395A-200
Sequence 200, Application US/09673395A
Patent No. 6620923

GENERAL INFORMATION:

APPLICANT: SPECHT, THOMAS
APPLICANT: HINZMANN, BERND
APPLICANT: SCHMITT, ARMIN
APPLICANT: FILARSKI, CHRISTIAN
APPLICANT: DAHL, EDGAR
APPLICANT: ROSENTHAL, ANDRE
TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE
FILE REFERENCE: ALBRE-12
CURRENT APPLICATION NUMBER: US/09/673,395A
CURRENT FILING DATE: 2000-10-17
NUMBER OF SEQ ID NOS: 637
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 200
LENGTH: 79
TYPE: PRT
ORGANISM: Homo sapiens
US-09-673-395A-200

Query Match 54.2%; Score 244; DB 4; Length 79;
Best Local Similarity 61.0%; Pred. No. 2, 6e-23;
Matches 47; Conservative 13; Mismatches 17; Indels 0; Gaps 0;

QY 1 MRLSVCLLVTLALCCYQANAEPCPALVSELDFFRISPLFKLSLAFDAPPEAVAAKL 60
DB 3 MRLSVCLLVWSLALCCYQAHALVCPAVASEITVFLPSDAVNLQVAKLNPPPEALAAKL 62

QY 61 GVRKCTDQMSLQKRSLSI 77
DB 63 EVHGCTDQISFKRLSLI 79

RESULT 12
US-08-912-276-22
Sequence 22, Application US/08912276
Patent No. 6183952

GENERAL INFORMATION:

APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colpitts, Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Gordon, Julian
APPLICANT: Granados, Edward N.
APPLICANT: Hodges, Steven C.
APPLICANT: Klags, Michael R.
APPLICANT: Kratochvil, Jon D.
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Russell, John C.
APPLICANT: Stoupe, Steven D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSES: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:

Query Match 61.6%; Score 277; DB 4; Length 90;
Best Local Similarity 58.9%; Pred. No. 2, 2e-27;
Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972 US, P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6183952e
US-08-912-276-22

Query Match 48.7%; Score 219; DB 3; Length 45;
Best Local Similarity 100.0%; Pred. No. 1.8e-20;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 LAKDAPPEAVAAKLVGRCTDQMSLOKRSLLAEVLVYKILKKCSV 90
DB 1 LAKDAPPEAVAAKLVGRCTDQMSLOKRSLLAEVLVYKILKKCSV 45

RESULT 13
US-08-821-451A-25
Sequence 25, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-25

Query Match 44.9%; Score 202; DB 3; Length 90;
Best Local Similarity 48.4%; Pred. No. 5.4e-18;
Matches 44; Conservative 15; Mismatches 30; Indels 2; Gaps 2;

QY 1 MKLSVCLLVLTALCCYQANA-EPCPALVSELDLDFPFISSPLFKSLAKDAPPEAVAAK 59
DB 1 IELSLCILIM-LAVCCYEANASQICEIVAHETISFLMKSESEELKKELEMTNAPPAVEAK 59

QY 60 LVGRCTDQMSLOKRSLLAEVLVYKILKKCSV 90
DB 60 LVGRCTDQMSLOKRSLLAEVLVYKILKKCSV 90

RESULT 14
US-08-821-451A-26
Sequence 26, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-26

Query Match 44.9%; Score 202; DB 3; Length 90;
Best Local Similarity 48.4%; Pred. No. 5.4e-18;
Matches 44; Conservative 15; Mismatches 30; Indels 2; Gaps 2;

QY 1 MKLSVCLLVLTALCCYQANA-EPCPALVSELDLDFPFISSPLFKSLAKDAPPEAVAAK 59
DB 1 IELSLCILIM-LAVCCYEANASQICEIVAHETISFLMKSESEELKKELEMTNAPPAVEAK 59

Db 1 IEHSLCLIM-LAVCCYEANASQICELVAHETISFLMKSEBELKKELEMYNAPPAVEAK 59

QY 60 LGVRCCTDQMSLOKESLIAEVLKILKKCV 90

Db 60 LEVRCVDQMSNGDRLVAETLVYIFLECGV 90

RESULT 15

US-09-263-810-25

; Sequence 25, Application US/09263810

; Patent No. 6174992

; GENERAL INFORMATION:

; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz

; TITLE OF INVENTION: Human Endometrial Specific Steroid-

; TITLE OF INVENTION: Binding Factor I, II and III

; NUMBER OF SEQUENCES: 27

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

; ADDRESSEE: CECCHI, STEWART & OLSTEIN

; STREET: 6 BECKER FARM ROAD

; CITY: ROSELAND

; STATE: NEW JERSEY

; COUNTRY: USA

; ZIP: 07068

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 INCH DISKETTE

; COMPUTER: IBM PS/2

; OPERATING SYSTEM: MS-DOS

; SOFTWARE: WORD PERFECT 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/263,810

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/821,451

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: MULLINS, J.G.

; REGISTRATION NUMBER: 33,073

; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 201-994-1700

; TELEFAX: 201-994-1744

; INFORMATION FOR SEQ ID NO: 25:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 90 AMINO ACIDS

; TYPE: AMINO ACID

; STRANDEDNESS: SINGLE

; TOPOLOGY: LINEAR

; MOLECULE TYPE: PROTEIN

US-09-263-810-25

Query Match 44.9%; Score 202; DB 3; Length 90;

Best Local Similarity 48.4%; Pred. No. 5,4e-18;

Matches 44; Conservative 15; Mismatches 30; Indels 2; Gaps 2;

QY 1 MKLSVCLLVTLAICCYQANA-EFPCALVSELDFFPISPLPKLSLAKEDAPPZAVAAK 59

Db 1 IEHSLCLIM-LAVCCYEANASQICELVAHETISFLMKSEBELKKELEMYNAPPAVEAK 59

QY 60 LGVRCCTDQMSLOKESLIAEVLKILKKCV 90

Db 60 LEVRCVDQMSNGDRLVAETLVYIFLECGV 90

Search completed: March 11, 2004, 17:45:35
Job time : 23 secs